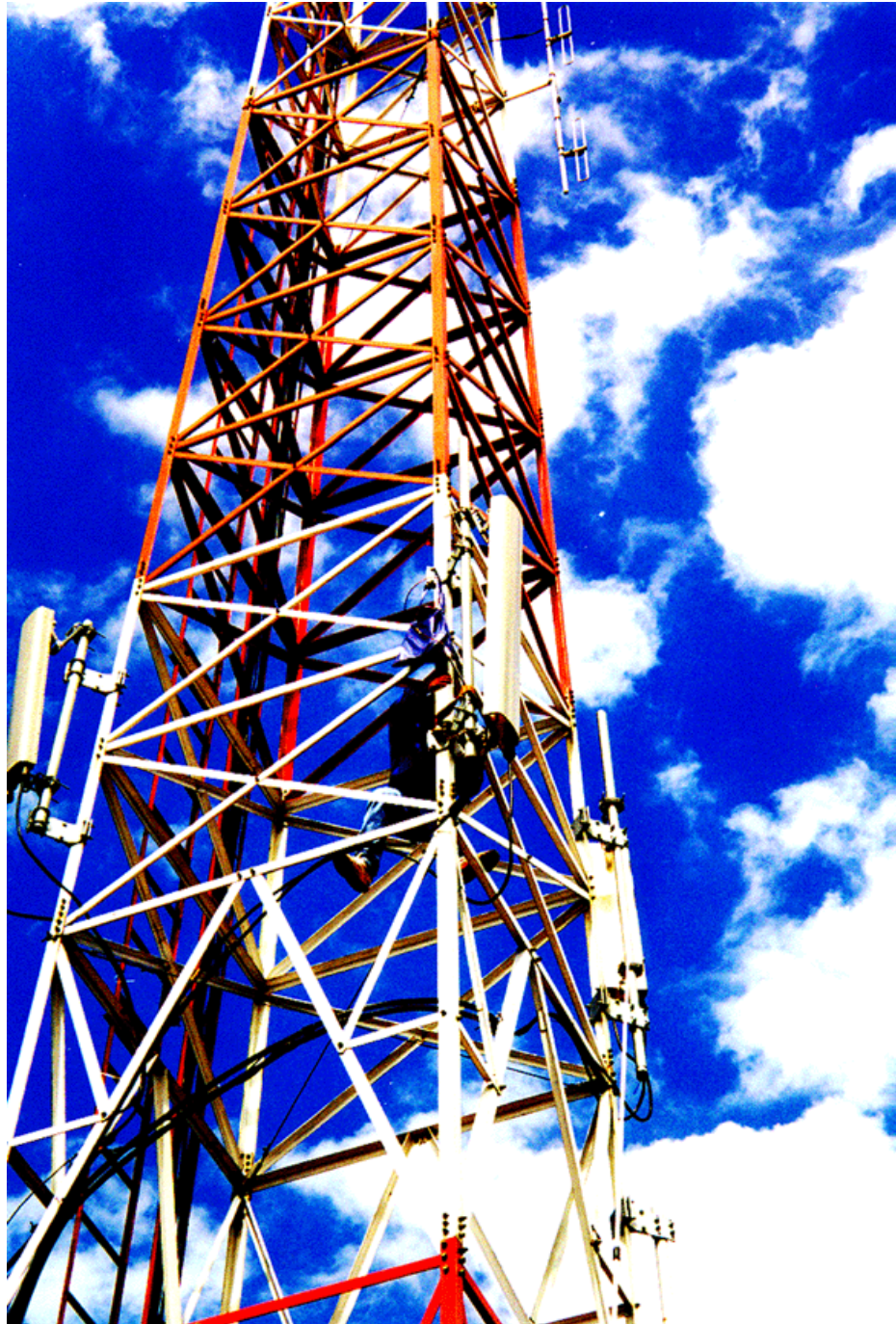




High performance site components





Introduction

Egant AB is one of the leading suppliers of products for Cellular infrastructure.

Specialised in products that makes it possible to share antenna systems, combining signals and designing cost effective mobile networks.

**Egant AB works close together with its customers to make solutions and projects optimized for today's demands.
Giving you products that is always in the latest design and highest technology.**

Our design centre in Stockholm Sweden is always happy for new challenges and welcomes all new projects and design ideas.

More information can be found at: www.egant.se

EGANT AB

Box 945

114 79 Stockholm

Sweden

Tel: +46 (0)8 6200 650

Email: info@egant.se

Website: www.egant.se



Quad Band Combiner **380-960, 1800, 2100, 2600**



Combines 4 RBSs into 1 antenna port

This Quad Band Combiner enables the connection of 4 Radio Base Stations to the combiner:

- 1 x 380-960 Radio Base Station
- 1 x 1800 Radio Base Station
- 1 x 2100 Radio Base Station
- 1 x 2600 Radio Base Station

The combiner combines the 4 signals to 1 antenna port, or splits the signal to the 4 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our quad band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Quad Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0256
Passband:	
Port 1: TETRA/900	380 - 960 MHz
Port 2: 1800	1710 - 1880 MHz
Port 3: 2100	1920 - 2170 MHz
Port 4: 2600	2500 - 2690MHz
Insertion loss:	≤ 0.50 dB, typ 0.3dB
Input return loss:	> 17 dB
Isolation between systems:	≥ 50 dB
Max input power/port:	< 300 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)
DC by-pass:	Available

Mechanical Specifications

Dimensions (W x H x D):	260 x 50 x 220 mm
Connectors:	4.3-10.0 (f)
Weight:	4 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +60° C
Humidity:	Relative 5 - 95%
Sealing:	IP67

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



Quad Band Combiner

1350-1880/1920-2170/2300-2690/3300-3800



Combines 4 RBSs into 1 antenna port

This Quad Band Combiner enables the connection of 4 Radio Base Stations to the combiner:

- 1 x 1350-1880 Radio Base Station
- 1 x 1920-2170 Radio Base Station
- 1 x 2300-2690 Radio Base Station
- 1 x 3300-3800 Radio Base Station

The combiner combines the 4 signals to 1 antenna port, or splits the signal to the 4 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our quad band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Quad Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0356	EG 602 0357
Passband:		
Port 1:	1350 - 1880 MHz	1350 - 1880 MHz
Port 2:	1920 - 2170 MHz	1920 - 2170 MHz
Port 3:	2300 - 2690 MHz	2300 - 2690 MHz
Port 4:	3300 - 3800MHz	3300 - 3800MHz
Insertion loss:	≤ 0.70 dB, typ 0.3dB	≤ 0.7 dB, typ 0.3dB
Input return loss:	> 16 dB	> 16 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB
Max input power/port:	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤-110 dBm (-153 dBc)	≤-110 dBm (-153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	260 x 50 x 220 mm	260 x 110 x 220 mm
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	4 kg	8 kg
Model:	Single unit	Double unit

Environmental Specifications

Temp. range (normal operation):	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



Triple Band Combiner 380-960, 1710-2170, 2500-2690MHz



Reduces cost

By utilizing our triple band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 3 RBSs into 1 antenna port

This triple band combiner enables the connection of 3 Radio Base Stations to the combiner:

- 1 x 380-960 Radio Base Station
- 1 x 1710-2170 Radio Base Station
- 1 x 2500-2690 Radio Base Station

The combiner combines the 3 signals to 1 antenna port, or splits the signal to the 3 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Triple Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 602 0406	EG 602 0407
Model:	Single unit	Double unit
Passband:		
Port 1:	380 - 960 MHz	380 - 960 MHz
Port 2:	1710 - 2170 MHz	1710 - 2170 MHz
Port 3:	2500 - 2690 MHz	2500 - 2690 MHz
Insertion loss:	≤ 0.3 dB, typ 0.1dB	≤ 0.3 dB, typ 0.1dB
Input return loss:	> 18 dB	> 18 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB
Max input power/port:	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications		
Dimensions (W x H x D):	255 x 66 x 146 mm	255 x 132 x 146 mm
Connectors:	4.3-10 (f)	4.3-10 (f)
Weight:	2.2 kg	4.4 kg
Environmental Specifications		
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Triple Band Combiner 690-960, 1710-2170, 2270-2690MHz



Reduces cost

By utilizing our triple band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 3 RBSs into 1 antenna port

This triple band combiner enables the connection of 3 Radio Base Stations to the combiner:

- 1 x 690-960 Radio Base Station
- 1 x 1710-2170 Radio Base Station
- 1 x 2270-2690 Radio Base Station

The combiner combines the 3 signals to 1 antenna port, or splits the signal to the 3 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Triple Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0333
Passband:	
Port 1:	690 - 960 MHz
Port 2:	1710 - 2170 MHz
Port 3:	2270 - 2690 MHz
Insertion loss:	≤ 0.3 dB, typ 0.1dB
Input return loss:	> 18 dB
Isolation between systems:	≥ 50 dB
Max input power/port:	200 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	255 x 66 x 146 mm
Connectors:	4.3-10 (f)
Weight:	3.5 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Humidity:	Relative 5 - 95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Triple Band Combiner 700, 800, 900



Combines 3 RBSs into 1 antenna port

This triple band combiner enables the connection of 3 Radio Base Stations to the combiner:

- 1 x 700 Radio Base Station
- 1 x 800 Radio Base Station
- 1 x 900 Radio Base Station

The combiner combines the 3 signals to 1 antenna port, or splits the signal to the 3 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our triple band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Triple Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0237
Passband:	
Port 1: 700	703 - 788 MHz
Port 2: 800	791 - 862 MHz
Port 3: 900	880 - 960 MHz
Insertion loss:	
Port 1:	< 2.0dB, typ 1.2dB
Port 2:	< 1.5dB, typ 0.9dB
Port 3:	< 0.5dB, typ 0.2dB
Input return loss:	> 16.0 dB
Isolation between systems:	$\geq$ 40 dB
Max input power/port:	100 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	<-153 dBc

Mechanical Specifications

Dimension:	251 x 260 x 75 mm
Connectors:	4.3-10 (f)
Weight:	4.2 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65°C
Humidity:	Relative 5 - 95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Triple Band Combiner 790-960, 1920-2690, 3500-3850MHz



Reduces cost

By utilizing our triple band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 3 RBSs into 1 antenna port

This triple band combiner enables the connection of 3 Radio Base Stations to the combiner:

- 1 x 790-960 Radio Base Station
- 1 x 1920-2690 Radio Base Station
- 1 x 3500-3850 Radio Base Station

The combiner combines the 3 signals to 1 antenna port, or splits the signal to the 3 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Triple Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0359
Passband:	
Port 1:	790 - 960 MHz
Port 2:	1920 - 2690 MHz
Port 3:	3500 - 3850 MHz
Insertion loss:	≤ 0.5 dB, typ 0.1dB
Input return loss:	> 16 dB
Isolation between systems:	≥ 50 dB
Max input power/port:	200 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	255 x 66 x 146 mm
Connectors:	4.3-10 (f)
Weight:	3.5 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Humidity:	Relative 5 - 95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Dual Band Combiner DC - 2700 MHz / 3300 - 3800 MHz



Combines 2 RBSs into 1 antenna port

This dual band combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 x DC-2700 Radio Base Station
- 1 x 3300-3800 Radio Base Station

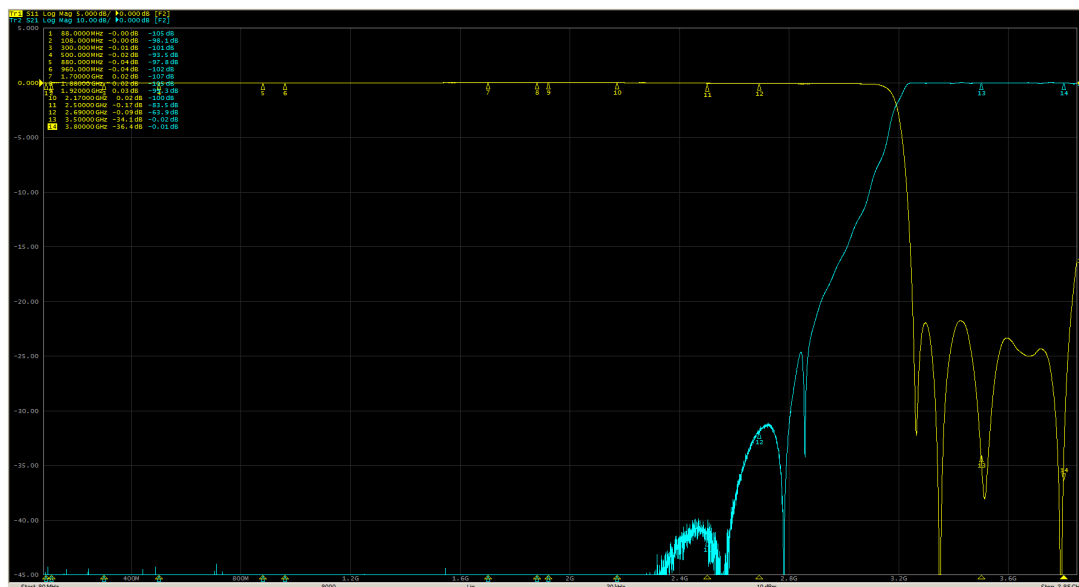
The combiner combines the 2 signals to the antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.



Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0341	EG 602 0342
Passband:		
Port 1:	DC - 2700 MHz	DC - 2700 MHz
Port 2:	3300 - 3800 MHz	3300 - 3800 MHz
Insertion loss:	≤ 0.2 dB, typ 0.1dB	≤ 0.2 dB, typ 0.1dB
Input return loss:	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB
Max input power/port:	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (-153 dBc)	≤ -110 dBm (-153 dBc)

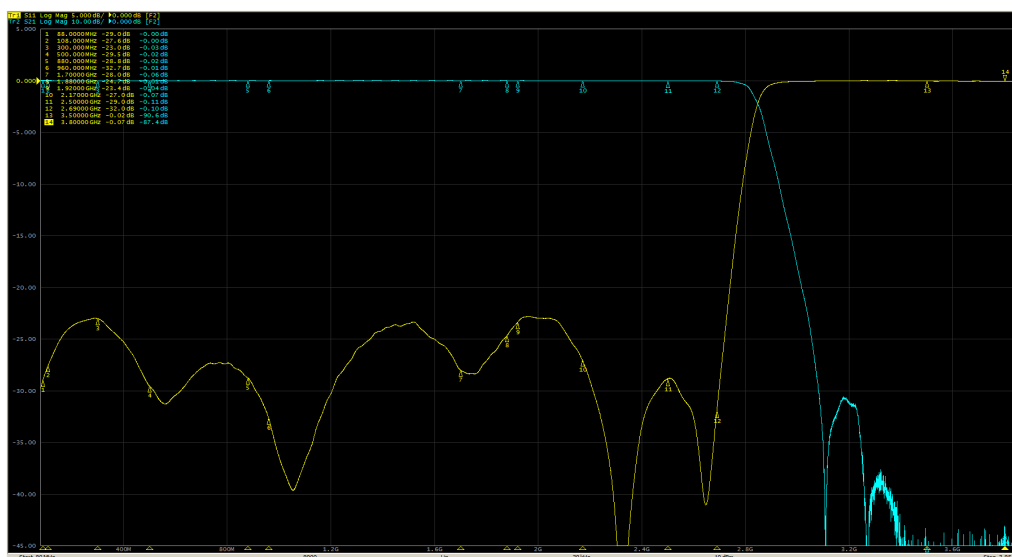
Mechanical Specifications

Dimensions (W x H x D):	170 x 45 x 92 mm	170 x 45 x 92 mm
Connectors:	7/16 (f)	4.3-10 (f)
Weight:	1.5 Kg	1.5 Kg

Environmental Specifications

Temp. range (normal operation):	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Dual Band Combiner **68 - 240 MHz / 376 - 480 MHz**



Combines FM + VHF + DAB and TETRA into one antenna port

This dual band combiner enables the connection of these two systems to the combiner:

- 1 FM + VHF + DAB Input
- 1 TETRA Radio Base Station

The combiner combines the two signals into one antenna port, or splits the signal into the two input systems in the receiving direction.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the inputs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the FM + VHF + DAB / TETRA Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0183	EG 602 0184	EG 602 0260	EG 602 0273
Passband:				
Port 1: FM + VHF + DAB	68 - 240 MHz	68 - 240 MHz	68 - 240 MHz	68 - 240 MHz
Port 2: TETRA	376 - 480 MHz	376 - 480 MHz	376 - 480 MHz	376 - 480 MHz
Insertion loss:	≤ 0.5 dB	≤ 0.5 dB	≤ 0.5 dB	≤ 0.5 dB
Input return loss:	> 16.0 dB	> 16.0 dB	> 16.0 dB	> 16.0 dB
Isolation between systems:	> 50 dB	> 50 dB	> 50 dB	> 50 dB
Max input power/port:	≤ 20 W	≤ 20 W	≤ 20 W	≤ 20 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
DC-Bypass	Port 1 - Ant	Port 1 - Ant	Port 1 - Ant	Port 1 - Ant

Mechanical & Environmental Specifications

Dimensions (W x H x D):	95 x 23 x 75mm	95 x 23 x 75mm	95 x 42 x 75mm	95 x 42 x 75mm
Connectors:	N (f)	N (f)	4.3.10.0 (f)	4.3.10.0 (f)
Weight:	0.5 kg	0.5 kg	0.5 kg	0.5 kg
Sealing:	IP65	Indoor use	Indoor use	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Dual Band Combiner DC - 500 MHz / 698 - 2700 MHz



Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 2 RBSs into 1 Antenna Port

This dual band combiner enables the connection of 2 Radio Base Stations to the combiner.

The combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Dual Band Combiner Double Unit EG 602 0397



Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0307	EG 602 0308	EG 602 0397
Passband:			
Port 1: Low band	DC - 500 MHz	DC - 500 MHz	DC - 500 MHz
Port 2: High band	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Insertion loss:	≤ 0.4 dB, typ 0.1dB	≤ 0.4 dB, typ 0,1dB	≤ 0.4 dB, typ 0,1dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:			
Port 1: Low band	150 W	150 W	150 W
Port 2: High band	300 W	300 W	300 W
Intermodulation:			
IM3, 2 x 43 dBm:	≤-153 dBc	≤-153 dBc	≤-153 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

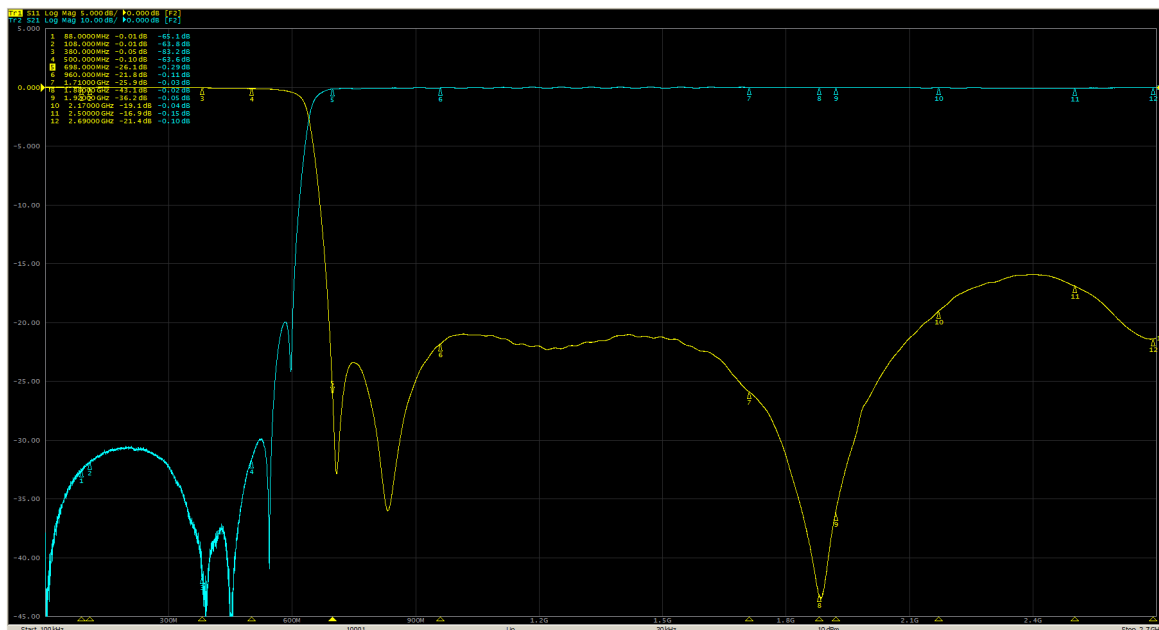
Mechanical Specifications

Dimensions (W x H x D):	220 x 38 x 180 mm	220 x 38 x 180 mm	220 x 38 x 180 mm
Connectors:	7/16 (f)	4.3-10 (f)	4.3-10 (f)
Weight:	2.2 kg	2.2 kg	4.4 kg
Model:	Single	Single	Double

Environmental Specifications

Temp. range (normal operation):	-20 to +60° C	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
 www.egant.se

Made in Sweden

RevH

Dual Band Combiner
FM + VHF + DAB / TETRA
80 - 240 MHz / 376 - 480 MHz



**Combines FM + VHF + DAB and TETRA
into one antenna port**

This dual band combiner enables the connection of these two systems to the combiner:

- 1 FM + VHF + DAB Input
- 1 TETRA Radio Base Station

The combiner combines the two signals into one antenna port, or splits the signal into the two input systems in the receiving direction.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the inputs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the FM + VHF + DAB / TETRA Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0030	EG 602 0038
Passband:		
Port 1: FM + VHF + DAB	80 - 240 MHz	80 - 240 MHz
Port 2: TETRA	376 - 480 MHz	376 - 480 MHz
Insertion loss:	≤ 0.5 dB	≤ 0.5 dB
Input return loss:	> 16.0 dB	> 16.0 dB
Isolation between systems:	> 50 dB	> 50 dB
Max input power/port:	> 20 W	> 20 W
Impedance in/out:	50 Ohm	50 Ohm
DC-Bypass	Port1 - Ant	Port1 - Ant

Mechanical & Environmental Specifications

Dimensions (W x H x D):	118 x 119 x 37 mm	110 x 115 x 37 mm
Connectors:	7/16 (f)	7/16 (f)
Weight:	1.7 kg	1.4 kg
Sealing:	IP67	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Dual Band Combiner 80- 960 MHz / 1710 - 2700 MHz



Combines 2 RBSs into 1 Antenna Port

This dual band combiner enables the connection of 2 Radio Base Stations to the combiner.

The combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0108	EG 602 0111	EG 602 0261
Passband:			
Port 1: Low band	80 - 960 MHz	80 - 960 MHz	80 - 960 MHz
Port 2: High band	1710 - 2700 MHz	1710 - 2700 MHz	1710 - 2700 MHz
Insertion loss:			
Port 1: 80 - 960 MHz- ANT	≤ 0.3 dB, typ 0,2 dB	≤ 0.3 dB, typ 0,2 dB	≤ 0.3 dB, typ 0,2 dB
Port 2: 1710 - 2700 MHz - ANT	≤ 0.5 dB, typ 0,3 dB	≤ 0.5 dB, typ 0,3 dB	≤ 0.5 dB, typ 0,3 dB
Input return loss:			
80 - 960 MHz	> 18.0 dB	> 18.0 dB	> 18.0 dB
1710 - 2700 MHz	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Intermodulation:			
IM3, 2x43 dBm:	< -150 dBc	< -150 dBc	< -150 dBc
DC by pass Port 1 - Ant	2A max	2A max	2A max
Max input power/port:			
Port 1: Low band	< 60 W	< 60 W	< 60 W
Port 2: High band	< 60 W	< 60 W	< 60 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

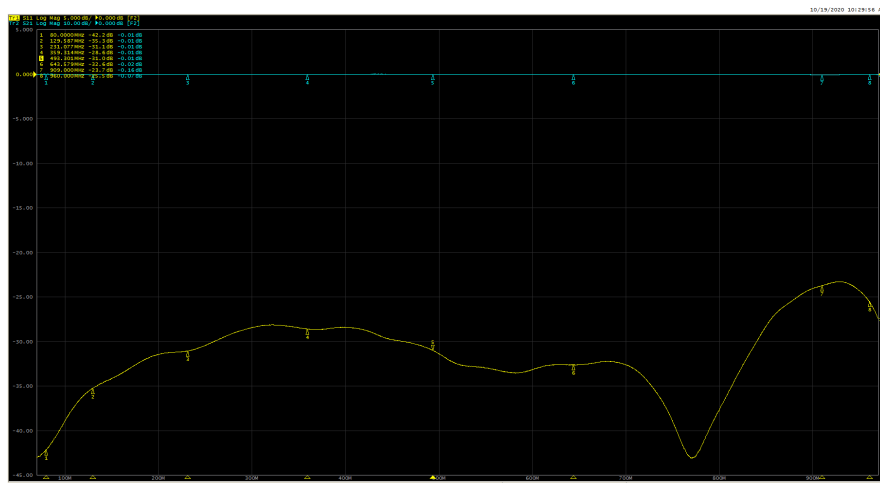
Mechanical Specifications

Dimensions (W x H x D):	235 x 47 x 105 mm	235 x 47 x 105 mm	235 x 47 x 105 mm
Connectors:	7/16 (f)	N (f)	4.3-10.0 (f)
Weight:	1.5 kg	3.2 kg	1.3 kg

Environmental Specifications

Temp. range (normal operation):	-35 to +55° C	-35 to +55° C	-35 to +55° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65

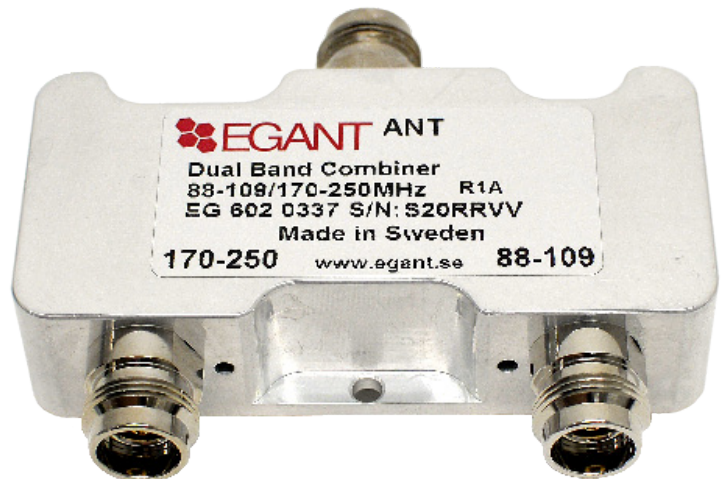
Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
 www.egant.se



Dual Band Combiner **88 - 109MHz / 180 - 250MHz**



Combines 88-109MHz and 170-250MHz into one antenna port

This dual band combiner enables the connection of these two systems to the combiner:

- 1 x 88-109MHz
- 1 x 170-250MHz

The combiner combines the two signals into one antenna port, or splits the signal into the two input systems in the receiving direction.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the inputs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0337	EG 602 0338	EG 602 0399
Passband:			
Port 1: Low	88 - 109 MHz	88 - 109 MHz	88 - 109 MHz
Port 2: High	180 - 250 MHz	180 - 250 MHz	180 - 250 MHz
Insertion loss:	≤ 0.6 dB (0.2 typ)	≤ 0.6 dB (0.2 typ)	≤ 0.6 dB (0.2 typ)
Input return loss:	> 16.0 dB	> 16.0 dB	> 16.0 dB
Isolation between systems:	> 40 dB	> 40 dB	> 40 dB
Max input power/port:	> 12 W	> 12 W	> 12 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

Mechanical & Environmental Specifications

Dimensions (W x H x D):	94x 70 x 22 mm	95 x 42 x 75mm	95 x 42 x 75mm
Connectors:	N (f)	4.3-10 (f)	4.3-10 (f)
Weight:	0,4 kg	0,4 kg	0,4 kg
Sealing:	Indoor use	Indoor use	IP65

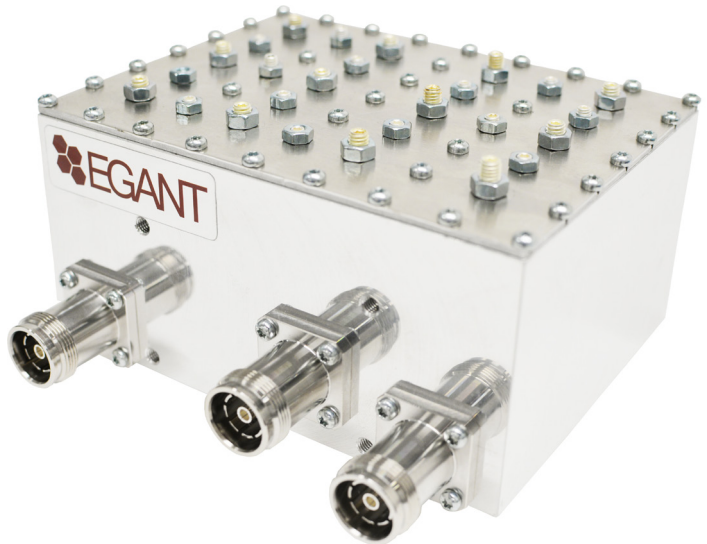
Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden



Dual Band Combiner
380 - 395 MHz / 410 - 425 MHz
TETRA Public Safety
TETRA Public Services



Reduces cost

By utilizing the Egant Dual Band Combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 2 RBSs into 1 Antenna Port

This Dual Band Combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 TETRA Public Safety System
- 1 TETRA Public Services System

The Combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0023	EG 602 0024	EG 602 0332
Passband:			
Port 1: TETRA - Public Safety	380 - 395 MHz	380 - 395 MHz	380 - 395 MHz
Port 2: TETRA - Public Services	410 - 425 MHz	410 - 425 MHz	410 - 425 MHz
Insertion loss:			
Port 1: TETRA - Public Safety	≤ 1.2 dB	≤ 1.2 dB	≤ 1.2 dB
Port 2: TETRA - Public Services	≤ 1.2 dB	≤ 1.2 dB	≤ 1.2 dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:			
Port 1: TETRA - Public Safety	60W	60W	60W
Port 2: TETRA - Public Services	60W	60W	60W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	150 x 150 x 110 mm	150 x 150 x 110 mm	150 x 150 x 110 mm
Connectors:	N (f)	7/16 (f)	4.3-10 (f)
Weight:	2.5 kg	2.5 kg	2.5 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Sealing:	Indoor	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

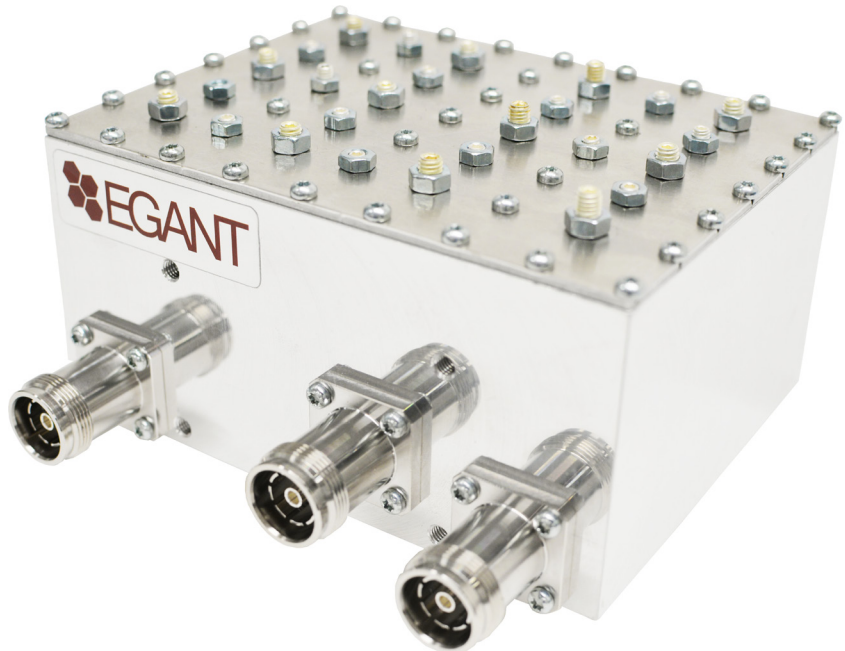
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevF



Dual Band Combiner
380 - 395 MHz / 415 - 430 MHz
TETRA Public Safety
TETRA Public Services



Reduces cost

By utilizing the Egant Dual Band Combiner you will reduce the cost of antennas, feeders and installation.

Combines 2 RBSs into 1 Antenna Port

This Dual Band Combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 TETRA Public Safety System
- 1 TETRA Public Services System

The Combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 602 0288	EG 602 0289
Passband:		
Port 1: TETRA - Public Safety	380 - 395 MHz	380 - 395 MHz
Port 2: TETRA - Public Services	415 - 430 MHz	415 - 430 MHz
Insertion loss:	≤ 1.2 dB, typ 0.8dB	≤ 1.2 dB, typ 0.8dB
Input return loss:	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB
Max input power/port:	60W	60W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications		
Dimensions (W x H x D):	150 x 150 x 110 mm	150 x 150 x 110 mm
Connectors:	N (f)	4.3-10 (f)
Weight:	1.3 kg	1.3 kg
Environmental Specifications		
Temp. range (normal operation):	-20 to +60° C	-20 to +60° C
Sealing:	Indoor	Indoor

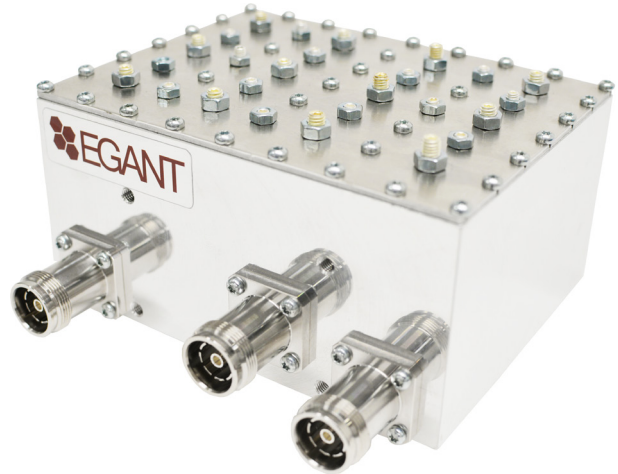
Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden



Dual Band Combiner
380 - 395 MHz / 440 - 450 MHz
TETRA Public Safety
TETRA Public Services



Reduces cost

By utilizing the Egant Dual Band Combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 2 RBSs into 1 Antenna Port

This Dual Band Combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 TETRA Public Safety System
- 1 TETRA Public Services System

The Combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0191	EG 602 0281	EG 602 0283
Passband:			
Port 1:	380 - 395 MHz	380 - 395 MHz	380 - 395 MHz
Port 2:	440 - 450 MHz	440 - 450 MHz	440 - 450 MHz
Insertion loss:	≤ 1.3 dB, (typ 0.6dB)	≤ 1.3 dB, (typ 0.6dB)	≤ 1.2 dB, (typ 0.6dB)
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB	≥ 70 dB, typ 80dB
Max input power/port:	60W	60W	60W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	150 x 150 x 110 mm	150 x 150 x 110 mm	150 x 150 x 110 mm
Connectors:	7/16 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	2.0 kg	2.0 kg	2.0 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C
Sealing:	Indoor	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

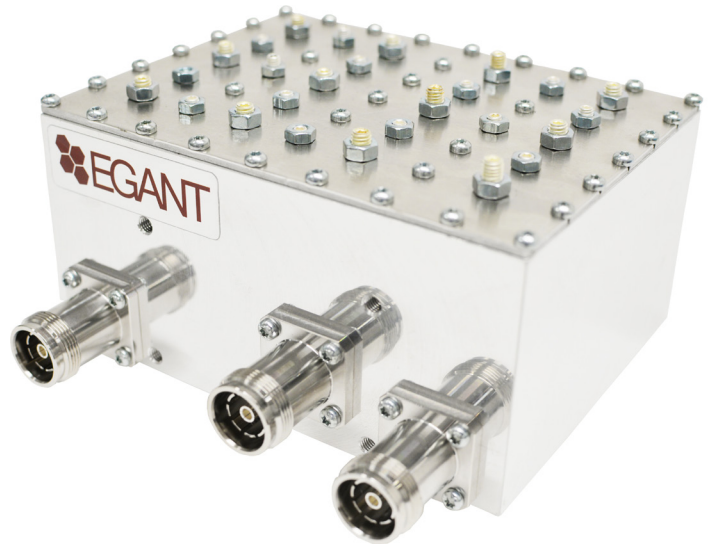
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevD



Dual Band Combiner
380 - 395 MHz / 450 - 470 MHz
TETRA Public Safety
TETRA Public Services



Reduces cost

By utilizing the Egant Dual Band Combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 2 RBSs into 1 Antenna Port

This Dual Band Combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 TETRA Public Safety System
- 1 TETRA Public Services System

The Combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0094
Passband:	
Port 1: TETRA - Public Safety	380 - 395 MHz
Port 2: TETRA - Public Services	450 - 470 MHz
Insertion loss:	
Port 1: TETRA - Public Safety	≤ 1.2 dB, (Typ 0.7dB)
Port 2: TETRA - Public Services	≤ 1.2 dB, (Typ 0.7dB)
Input return loss:	> 18.0 dB
Isolation between systems:	≥ 50 dB
Max input power/port:	
Port 1: TETRA - Public Safety	< 60 W
Port 2: TETRA - Public Services	< 60 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	150 x 150 x 110 mm
Connectors:	N (f)
Weight:	2.5 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Sealing:	Indoor

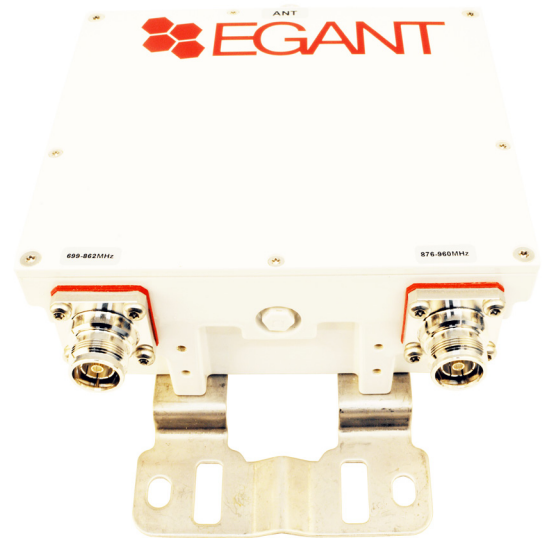
Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden



Dual Band Combiner 699 - 862 MHz / 876 - 960 MHz



Combines 2 RBSs into 1 antenna port

This dual band combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 x 800 Radio Base Station
- 1 x 900 Radio Base Station

The combiner combines the 2 signals to the antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0376
Passband:	
Port 1: 800	699 - 862 MHz
Port 2: 900	876 - 960 MHz
Insertion loss:	≤ 0.45 dB, typ 0.2dB
Input return loss:	> 18.0 dB
Isolation between systems:	≥ 50 dB
Max input power/port:	200 W
Impedance in/out:	50 Ohm
Intermodulation:	
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	173 x 74 x 210 mm
Connectors:	4.3-10.0 (f)
Weight:	2.8 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Humidity:	Relative 5 - 95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Dual Band Combiner 790 - 862 MHz / 880 - 960 MHz



Combines 2 RBSs into 1 antenna port

This dual band combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 LTE 800 Radio Base Station
- 1 GSM900 Radio Base Station

The combiner combines the 2 signals to the antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Reduces cost

By utilizing our dual band combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0097	EG 602 0112	EG 602 0228
Passband:			
Port 1: LTE800	790 - 862 MHz	790 - 862 MHz	790 - 862 MHz
Port 2: GSM900	880 - 960 MHz	880 - 960 MHz	880 - 960 MHz
Insertion loss:			
Port 1: LTE800	≤ 0.45 dB, typ 0.2dB	≤ 0.45 dB, typ 0.2dB	≤ 0.45 dB, typ 0.2dB
Port 2: GSM900	≤ 0.45 dB, typ 0.2dB	≤ 0.45 dB, typ 0.2dB	≤ 0.45 dB, typ 0.2dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:			
Port 1: LTE800	200 W	200 W	200 W
Port 2: GSM900	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	200 x 60 x 185 mm	200 x 60 x 185 mm	200 x 60 x 185 mm
Connectors:	7/16 (f)	N (f)	4.3-10.0 (f)
Weight:	3.2 kg	3.1 kg	3.1 kg
Environmental Specifications			
Temp. range (normal operation):	-40 to +70° C	-40 to +70° C	-40 to +70° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Dual Band Combiner 800 - 1000 MHz, 1700 - 2170 MHz



Reduces cost

By utilizing the Egant Dual Band Combiner you will reduce the cost of antennas, feeders and installation.

It eliminates the cost inefficient need to make one antenna installation for each system. By simply connecting the RBSs into the combiner it will immediately render you all the benefits of antenna sharing.

Combines 2 RBSs into 1 Antenna Port

This Dual Band Combiner enables the connection of 2 Radio Base Stations to the combiner:

- 1 GSM800 / GSM900 Radio Base Station
- 1 CDMA / GSM1800 Radio Base Station or
- 1 GSM1900 / UMTS Radio Base Station

The Combiner combines the 2 signals to 1 antenna port, or splits the signal to the 2 RBSs in the receiving direction.

This is a highly desirable function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Technical Specifications for the Dual Band Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 100 9013	EG 100 9014
Passband:		
Port 1: GSM800 / GSM900 / CDMA	800 - 1000 MHz	800 - 1000 MHz
Port 2: GSM1800 / GSM1900 / UMTS	1700 - 2170 MHz	1700 - 2170 MHz
Insertion loss:		
Port 1: GSM800 / GSM900 / CDMA	≤ 0.15 dB	≤ 0.15 dB
Port 2: GSM1800 / GSM1900 / UMTS	≤ 0.25 dB	≤ 0.25 dB
Input return loss:	> 21.0 dB	> 21.0 dB
Isolation between systems:	≥ 50 dB	≥ 50 dB
Max input power/port:		
Port 1: GSM800 / GSM900 / CDMA	< 250W	< 250W
Port 2: GSM1800 / GSM1900 / UMTS	< 150W	< 150W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications		
Dimensions (W x H x D):	117 x 215 x 50 mm	117 x 215 x 50 mm
Connectors:	7/16 (f)	N (f)
Weight:	1.5 kg	1.5 kg
Environmental Specifications		
Temp. range (normal operation):	-40 to +70° C	-40 to +70° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

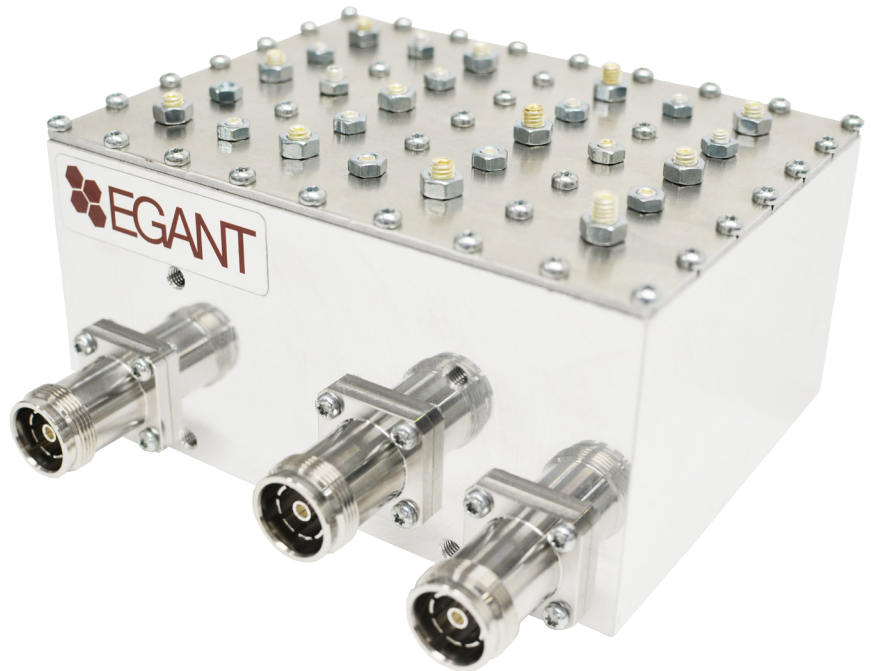
Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Duplexer TETRA

380 - 385 MHz

390 - 395 MHz



This Duplexer combines/splits the TETRA TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for TETRA Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 602 0084	EG 602 0246	EG 602 0293	EG 602 0020
Passband:				
Port 1: RX	380 - 385 MHz	380 - 385 MHz	380 - 385 MHz	380 - 385 MHz
Port 2: TX	390 - 395 MHz	390 - 395 MHz	390 - 395 MHz	390 - 395 MHz
Insertion loss:	≤ 1.7 dB	≤ 1.7 dB	≤ 1.7 dB	≤ 1.7 dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 60 dB	≥ 60 dB	≥ 60 dB	≥ 60 dB
Max input power/port:	200 W	200 W	100 W	100 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Intermodulation:				
IM3, 2 x 43 dBm:	≤ -110 dBm	≤ -110 dBm	≤ -110 dBm	≤ -110 dBm
Monitoring port:				
Mechanical Specifications				
Dimensions (W x H x D):	100x150x100mm	100x150x100mm	100x150x100mm	100x150x100mm
Connectors:	N (f)	4.3-10.0 (f)	SMA(f)	7/16(f)
Weight:	1.4 kg	1.4 kg	1.4 kg	1.4 kg
Environmental Specifications				
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 -95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

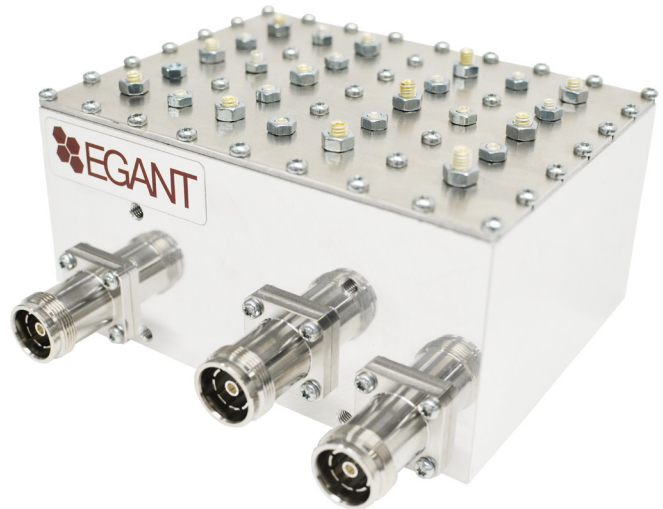
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevH



Duplexer TETRA
413 - 418 MHz, 423 - 428 MHz



This Duplexer combines/splits the TETRA TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for TETRA Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0382	EG 602 0383	EG 602 0384
Passband:			
Port 1: RX	413 - 418 MHz	413 - 418 MHz	413 - 418 MHz
Port 2: TX	423 - 428 MHz	423 - 428 MHz	423 - 428 MHz
Insertion loss:	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB
Input return loss:	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB
Isolation between TX/RX:	≥ 65 dB	≥ 65 dB	≥ 65 dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	4.3-10 (f)	7/16 (f)	N (f)
Weight:	1.4 kg	1.4 kg	1.4 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +60° C	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

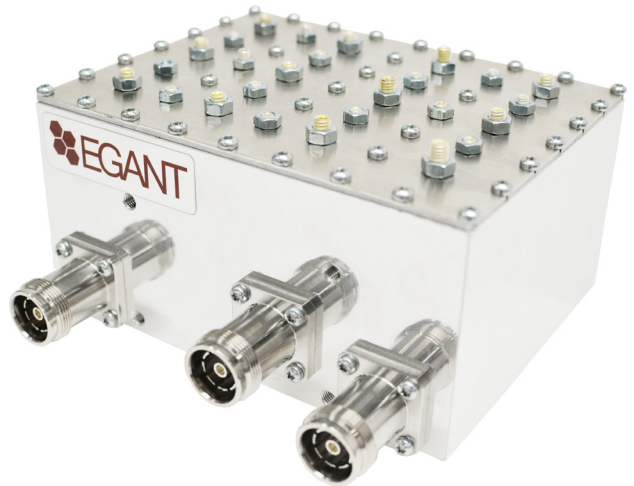
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



Duplexer TETRA
410 - 415 MHz, 420 - 425 MHz



This Duplexer combines/splits the TETRA TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for TETRA Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0212	EG 602 0364	EG 602 0365
Passband:			
Port 1: RX	410 - 415 MHz	410 - 415 MHz	410 - 415 MHz
Port 2: TX	420 - 425 MHz	420 - 425 MHz	420 - 425 MHz
Insertion loss:	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB
Input return loss:	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB
Isolation between TX/RX:	≥ 65 dB	≥ 65 dB	≥ 65 dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	N (f)	7/16 (f)	4.3-10(f)
Weight:	1.4 kg	1.4 kg	1.4 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +60° C	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

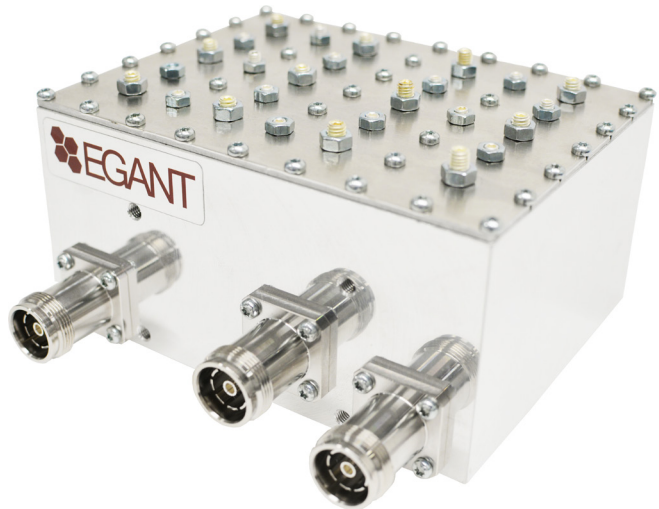
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevC



Duplexer TETRA
415 - 420 MHz, 425 - 430 MHz



This Duplexer combines/splits the TETRA TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for TETRA Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0037	EG 602 0322	EG 602 0323
Passband:			
Port 1: RX	415 - 420 MHz	415 - 420 MHz	415 - 420 MHz
Port 2: TX	420 - 425 MHz	425 - 430 MHz	425 - 430 MHz
Insertion loss:	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB	≤ 1.9 dB, typ 1.2dB
Input return loss:	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB	> 18.0 dB, typ 23dB
Isolation between TX/RX:	≥ 65 dB	≥ 65 dB	≥ 65 dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	N (f)	7/16 (f)	4.3-10(f)
Weight:	1.4 kg	1.4 kg	1.4 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +60° C	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

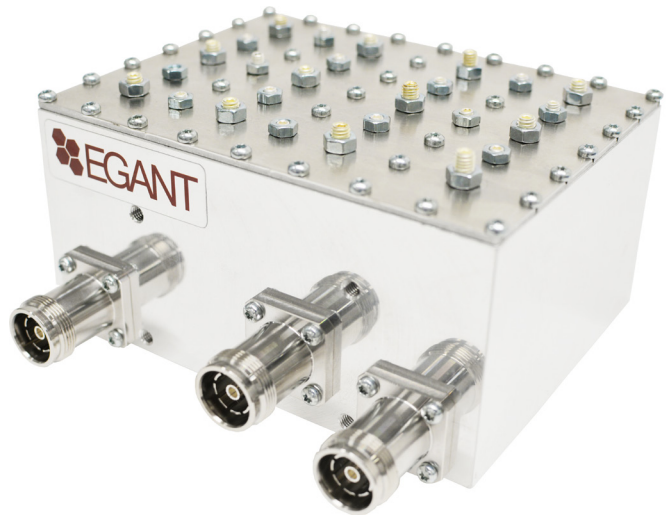
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevC



Duplexer
440-444MHz / 448-452MHz



This Duplexer combines/splits the TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0329	EG 602 0330	EG 602 0331
Passband:			
Port 1: RX	440 - 444 MHz	440 - 444 MHz	440 - 444 MHz
Port 2: TX	448 - 452 MHz	448 - 452 MHz	448 - 452 MHz
Insertion loss:	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	80 W	80 W	80 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	N(f)	7/16(f)	4.3-10(f)
Weight:	3 kg	3 kg	3 kg
Environmental Specifications			
Temp. range (normal operation):	-10 to +60° C	-10 to +60° C	-10 to +60° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

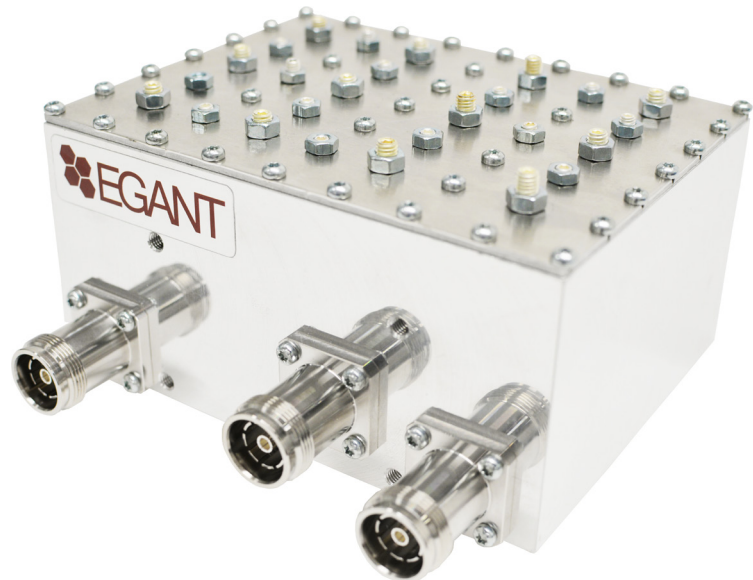
Made in Sweden

RevA



Duplexer

450 - 450MHz / 460 - 465MHz



This Duplexer combines/splits the TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0313	EG 602 0362	EG 602 0363
Passband:			
Port 1: RX	450 - 455 MHz	450 - 455 MHz	450 - 455 MHz
Port 2: TX	460 - 465 MHz	460 - 465 MHz	460 - 465 MHz
Insertion loss:	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	80 W	80 W	80 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	N(f)	4.3-10(f)	7/16(f)
Weight:	2 kg	2 kg	2 kg
Environmental Specifications			
Temp. range (normal operation):	-10 to +60° C	-10 to +60° C	-10 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

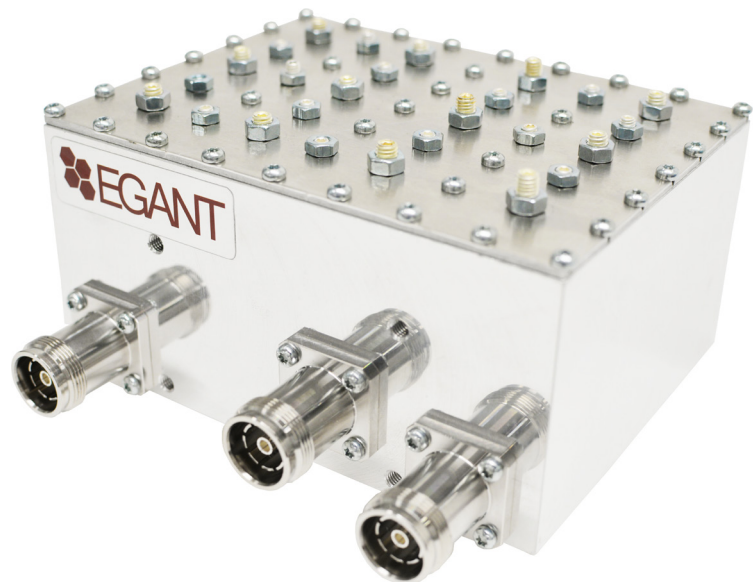
Made in Sweden

RevA



Duplexer

457 - 462MHz / 467 - 472MHz



This Duplexer combines/splits the TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0403	EG 602 0404	EG 602 0405
Passband:			
Port 1: RX	457 - 462 MHz	457 - 462 MHz	457 - 462 MHz
Port 2: TX	467 - 472 MHz	467 - 472 MHz	467 - 472 MHz
Insertion loss:	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)	≤ 1.9 dB (1.2 typ)
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	60 W	60 W	60 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	100 x 150 x 100 mm	100 x 150 x 100 mm	100 x 150 x 100 mm
Connectors:	N(f)	4.3-10(f)	7/16(f)
Weight:	2 kg	2 kg	2 kg
Environmental Specifications			
Temp. range (normal operation):	-10 to +60° C	-10 to +60° C	-10 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



Duplexer 700
UP, 703 - 713MHz
DL, 758 - 768MHz



This Duplexer combines/splits the 700 TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for 700 Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0274	EG 602 0275	EG 602 0276
Passband:			
Port 1: RX/UL	703 - 713 MHz	703 - 713 MHz	703 - 713 MHz
Port 2: TX/DL	758 - 768 MHz	758 - 768 MHz	758 - 768 MHz
Insertion loss:	≤ 1.2 dB, typ 0.6dB	≤ 1.2 dB, typ 0.6dB	≤ 1.2 dB, typ 0.6dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX and RX:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	160 x 55 x 120 mm	160 x 55 x 120 mm	160 x 70 x 120 mm
Connectors:	7/16 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	2.0 kg	2.0 kg	2.3 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-25 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Outdoor IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 0650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



LTE 800 Duplexer
791 - 821MHz 832 - 862MHz



This Duplexer combines/splits the LTE800 TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for LTE800 Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0265
Passband: (To be configured for customers needs)	
Port 1: TX	791 - 821MHz
Port 2: RX	832 - 862MHz
Insertion loss:	≤ 1.2 dB, typ 0.6dB
Input return loss:	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB
Max input power/port:	100 W
Impedance in/out:	50 Ohm

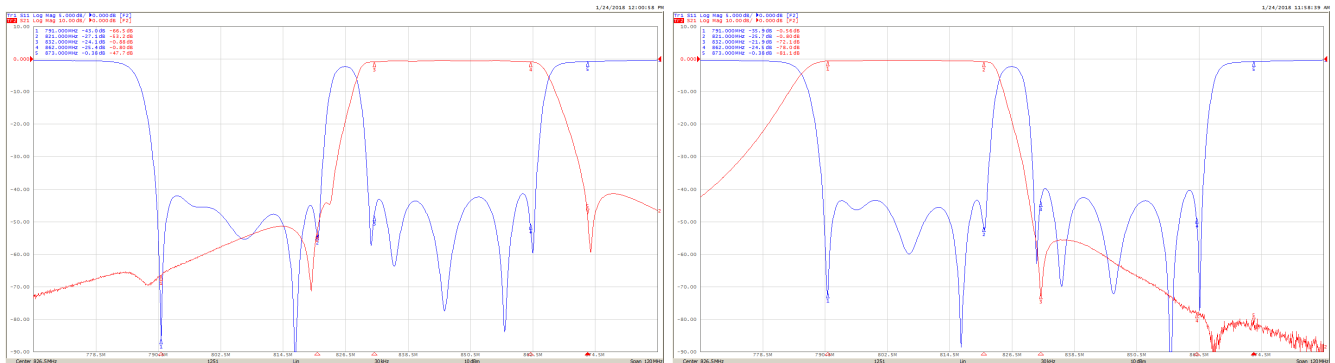
Mechanical Specifications

Dimensions (W x H x D):	175 x 45 x 155 mm
Connectors:	4.3-10.0 (f)
Weight:	1.8 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +55° C
Humidity:	Relative 5 - 100%
Sealing:	Indoor use

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



Duplexer GSM-R

873 - 880 MHz

918 - 924.8 MHz



This Duplexer combines/splits the GSM-R TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for GSM-R Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0148	EG 602 0272
Passband:		
Port 1: RX	873 - 880 MHz	873 - 880 MHz
Port 2: TX	918 - 924.8 MHz	918 - 924.8 MHz
Insertion loss:	≤ 3.0 dB, typ 2.0dB	≤ 3.0 dB, typ 2.0dB
Input return loss:	> 18.0 dB	> 18.0 dB
Isolation between TX to RX:	≥ 50 dB	≥ 50 dB
Isolation between RX to TX:	≥ 80 dB	≥ 80 dB
Max input power/port:		
	250 W	250 W
Impedance in/out:		
	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	160 x 55 x 120 mm	160 x 55 x 120 mm
Connectors:	7/16 (f)	4.3-10.0 (f)
Weight:	2.0 kg	2.0 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +55° C
Humidity:	Relative 5 - 95%
Sealing:	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 10265
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevF



Duplexer GSM900

880 - 915 MHz

925 - 960 MHz



This Duplexer combines/splits the 900 TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for 900 Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0266
Passband:	
Port 1: RX	880 - 915 MHz
Port 2: TX	925 - 960 MHz
Insertion loss:	≤ 1.2 dB, typ 0.7dB
Input return loss:	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB
Attenuation 800: 791 -862 MHz	≥ 50 dB
Max input power/port:	200 W
Impedance in/out:	50 Ohm
Intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)

Mechanical Specifications

Dimensions (W x H x D):	180 x 60 x 110 mm
Connectors:	4.3-10.0 (f)
Weight:	1.5 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +55° C
Humidity:	Relative 5 - 95%
Sealing:	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



Duplexer GSM900

890 - 915 MHz

935 - 960 MHz



This Duplexer combines/splits the GSM900 TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for GSM900 Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0088	EG 602 0089	EG 602 0090
Passband:			
Port 1: RX	890 - 915 MHz	890 - 915 MHz	890 - 915 MHz
Port 2: TX	935 - 960 MHz	935 - 960 MHz	935 - 960 MHz
Insertion loss:	≤ 1.2 dB, typ 0.7dB	≤ 1.2 dB, typ 0.7dB	≤ 1.2 dB, typ 0.7dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB	≥ 50 dB	≥ 50 dB
Attenuation 800: 791 -862 MHz	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation: IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	180 x 60 x 110 mm	180 x 60 x 100 mm	180 x 60 x 130 mm
Connectors:	N (f)	SMA (f)	7/16 (f)
Weight:	1.5 kg	1.5 kg	1.6 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevD



Duplexer

1710 - 1785MHz, 1805 - 1880MHz

1920 - 1980MHz, 2110 - 2170MHz

2500 - 2570MHz, 2620 - 2690MHz



This Duplexer combines/splits the GSM1800, UMTS or LTE2600 TX and RX signals to or from one common TX/RX antenna.

Technical Specifications for GSM1800, UMTS2100, LTE2600 Duplexers

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0268	EG 602 0269	EG 602 0270
Passband: (To be configured for customers needs)			
Port 1: RX	1710 - 1785MHz	1920 - 1980MHz	2500 - 2570MHz
Port 2: TX	1805 - 1880MHz	2110 - 2170MHz	2620 - 2690MHz
Insertion loss:	≤ 1.0 dB, typ 0.6dB	≤ 0.8 dB, typ 0.5dB	≤ 0.7 dB, typ 0.4dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Isolation between TX/RX:	≥ 50 dB	≥ 50 dB, typ 60dB	≥ 60 dB, typ 70dB
Max input power/port:	100 W	100 W	100 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	< -110 dBm (153 dBc)	< -110 dBm (153 dBc)	< -110 dBm (153 dBc)

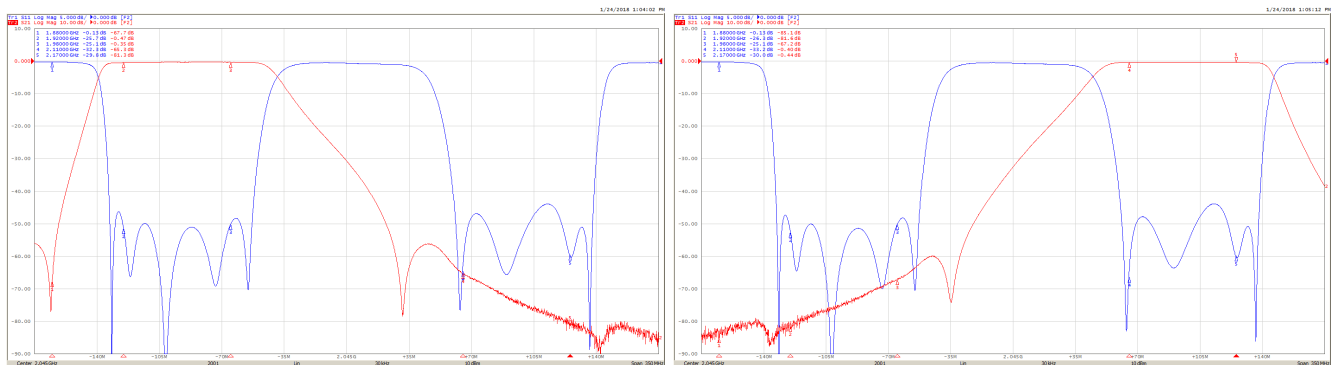
Mechanical Specifications

Dimensions (W x H x D):	175 x 45 x 155 mm	175 x 40 x 155 mm	175 x 45 x 155 mm
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	1.8 kg	1.5 kg	1.5 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



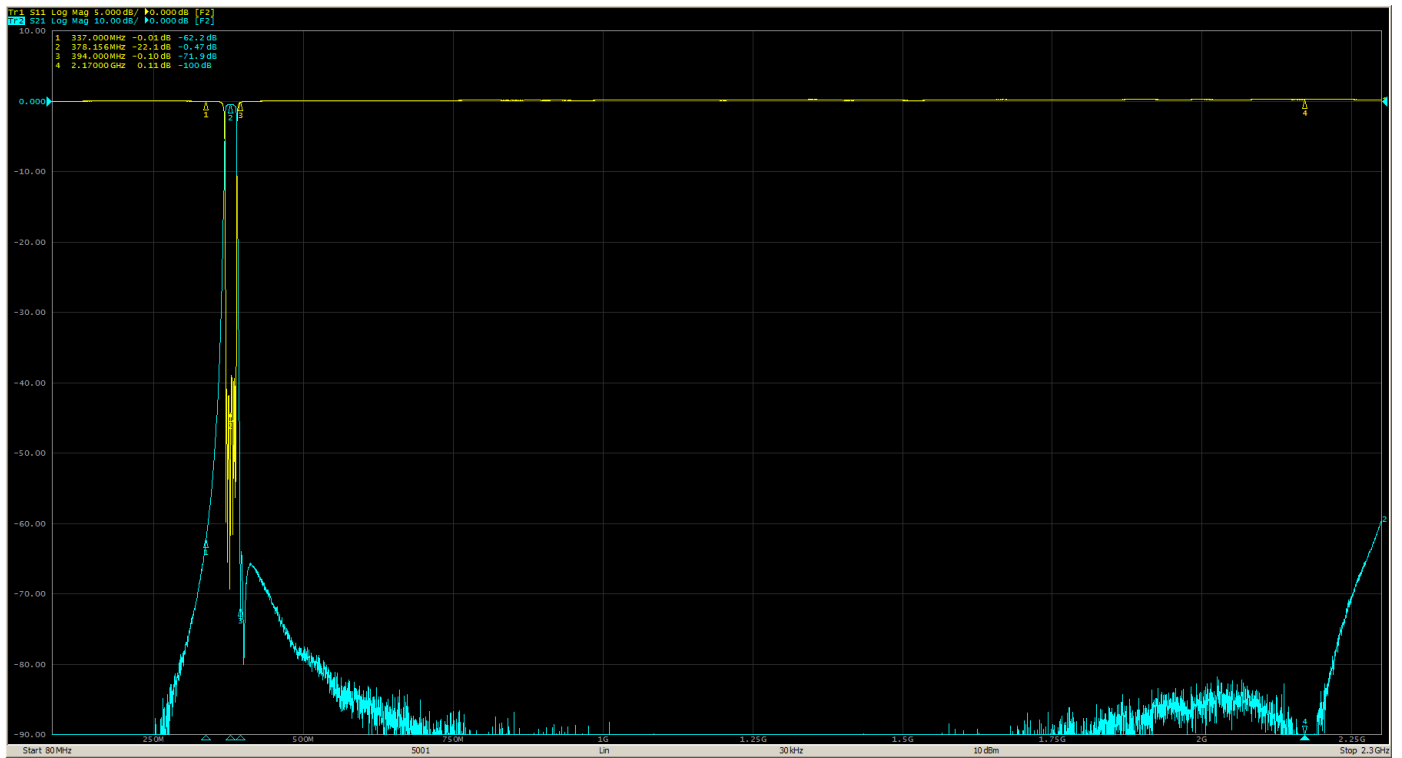
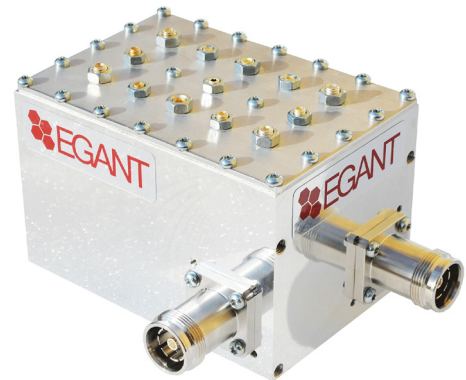
Band Pass Filter TETRA

370 - 387 MHz

Reject Band

0 - 337 MHz

394 - 2170 MHz



Technical Specifications for TETRA Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0349	EG 602 0350	EG 602 0351
Passband:	370 - 387 MHz	370 - 387 MHz	370 - 387 MHz
Reject Band:	394 - 2170MHz	394 - 2170MHz	394 - 2170MHz
Insertion loss:	≤ 1.2 dB, typ 0,8dB	≤ 1.2 dB, typ 0,8dB	≤ 1.2 dB, typ 0,8dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Attenuation:			
Reject Band: 0 -337 MHz	≥ 60 dB	≥ 60 dB	≥ 60 dB
Reject Band: 394 -2170 MHz	≥ 60 dB	≥ 60 dB	≥ 60 dB
Max input power/port:	250 W	250 W	250 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)

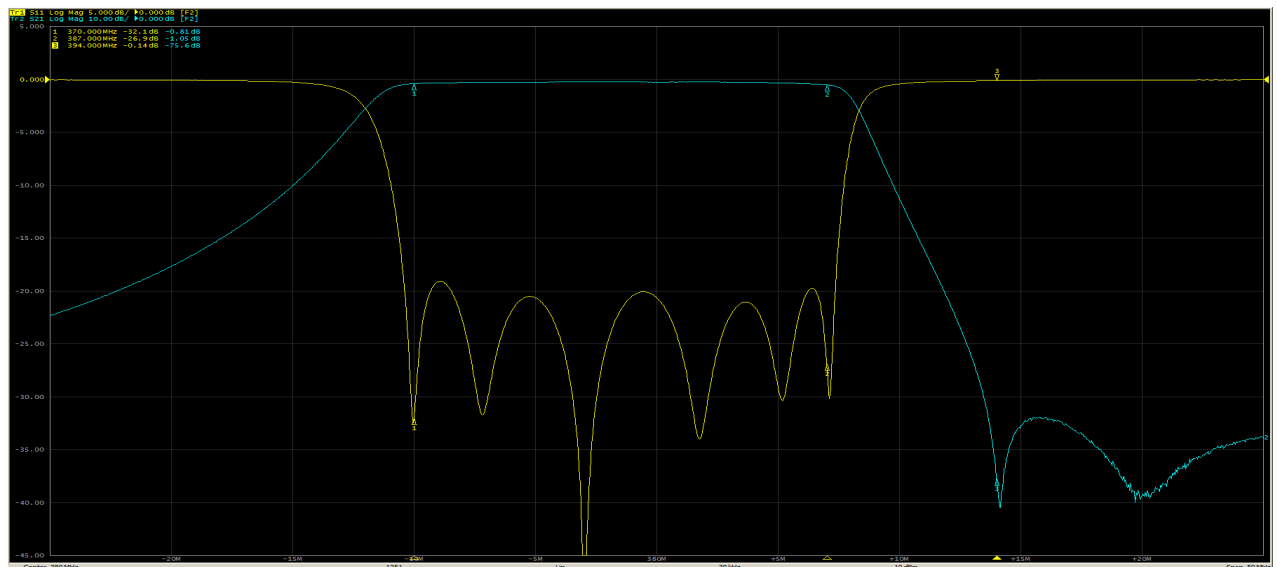
Mechanical Specifications

Dimensions (W x H x D):	109 x 74 x 80 mm	109 x 74 x 80 mm	109 x 74 x 80 mm
Connectors:	N (f)	7/16 (f)	4.3-10(f)
Weight:	1.2 kg	1.2 kg	1.2 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor us	Indoor us

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA

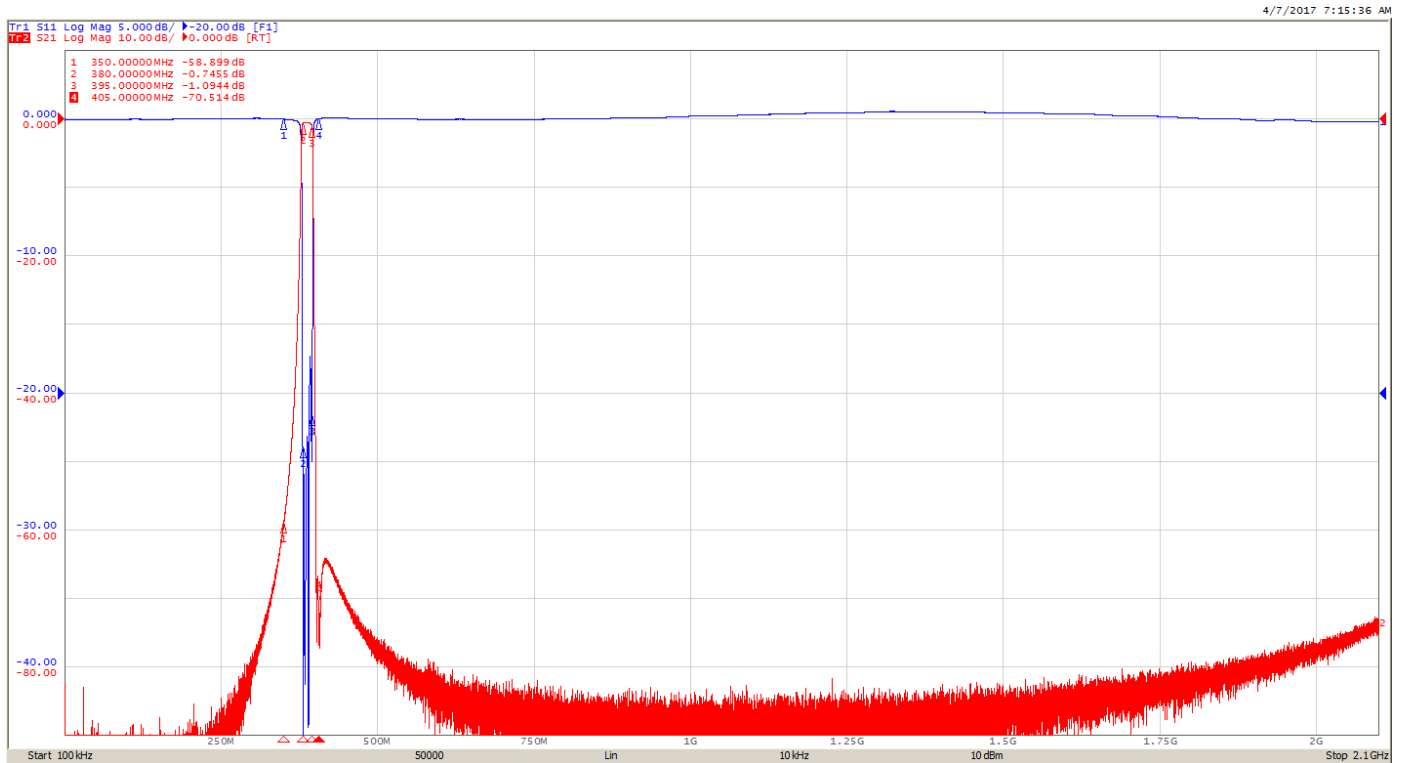
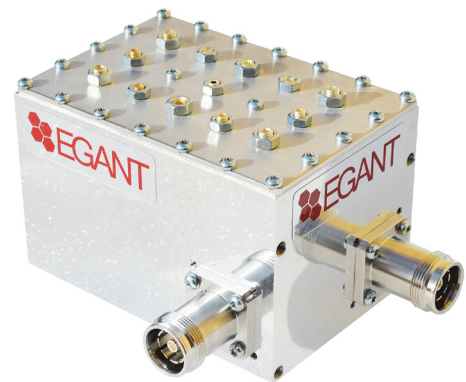


Band Pass Filter TETRA

380 - 395 MHz

Reject Band

403 - 2170 MHz



Technical Specifications for TETRA Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 602 0126	EG 602 0127	EG 602 0285
Passband:	380 - 395 MHz	380 - 395 MHz	380 - 395 MHz
Reject Band:	403 - 2170MHz	403 - 2170MHz	403 - 2170MHz
Insertion loss:	≤ 1.2 dB, typ 0,8dB	≤ 1.2 dB, typ 0,8dB	≤ 1.2 dB, typ 0,8dB
Input return loss:	> 20.0 dB	> 20.0 dB	> 20.0 dB
Attenuation:			
Reject Band: 0 -340 MHz	≥ 60 dB	≥ 60 dB	≥ 60 dB
Reject Band: 403 -1920 MHz	≥ 60 dB	≥ 60 dB	≥ 60 dB
Reject Band: 1920 - 2170MHz	≥ 55 dB	≥ 55 dB	≥ 55 dB
Max input power/port:	250 W	250 W	250 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Mechanical Specifications			
Dimensions (W x H x D):	109 x 74 x 80 mm	109 x 74 x 80 mm	109 x 74 x 80 mm
Connectors:	N (f)	7/16 (f)	4.3-10(f)
Weight:	1.2 kg	1.2 kg	1.2 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor us	Indoor us

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden



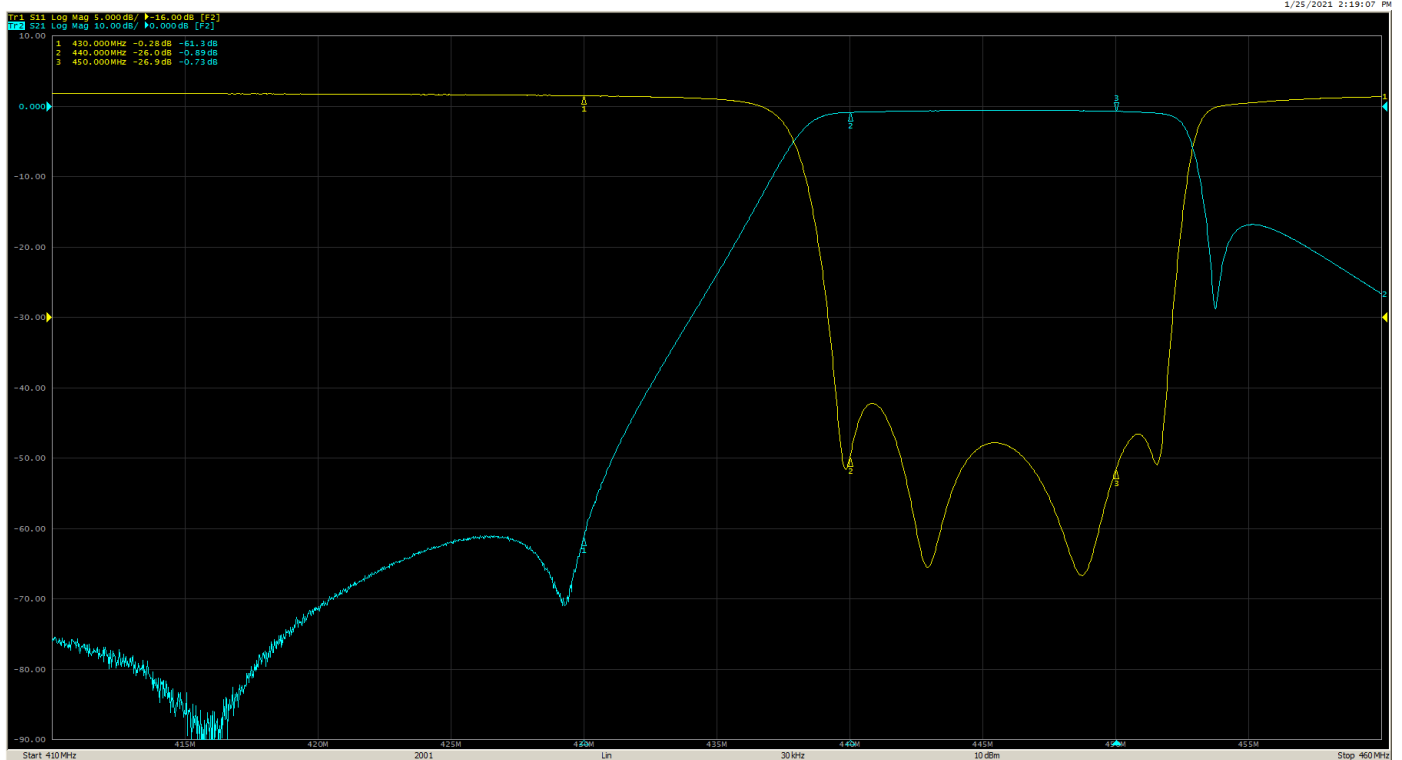
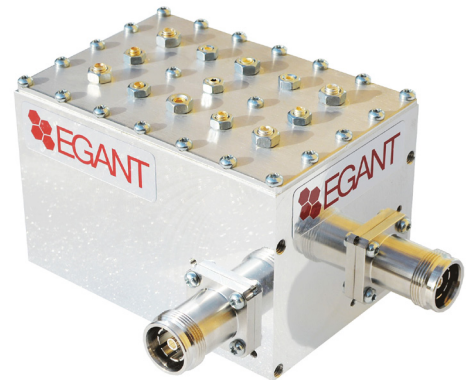
Band Pass Filter TETRA

440 - 450 MHz

Reject Band

DC - 430 MHz

460 - 2170 MHz



Technical Specifications for TETRA Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0344	EG 602 0345
Passband:	440 - 450 MHz	440 - 450 MHz
Reject Band:	460 - 2170MHz	460 - 2170MHz
Insertion loss:	≤ 1.2 dB, typ 0,8dB	≤ 1.2 dB, typ 0,8dB
Input return loss:	> 18.0 dB	> 18.0 dB
Attenuation:		
Reject Band: DC - 430 MHz	≥ 60 dB	≥ 60 dB
Reject Band: 460 MHz	≥ 25 dB	≥ 25 dB
Reject Band: 475 - 2170MHz	≥ 55 dB	≥ 55 dB
Max input power/port:	250 W	250 W
Impedance in/out:	50 Ohm	50 Ohm
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)

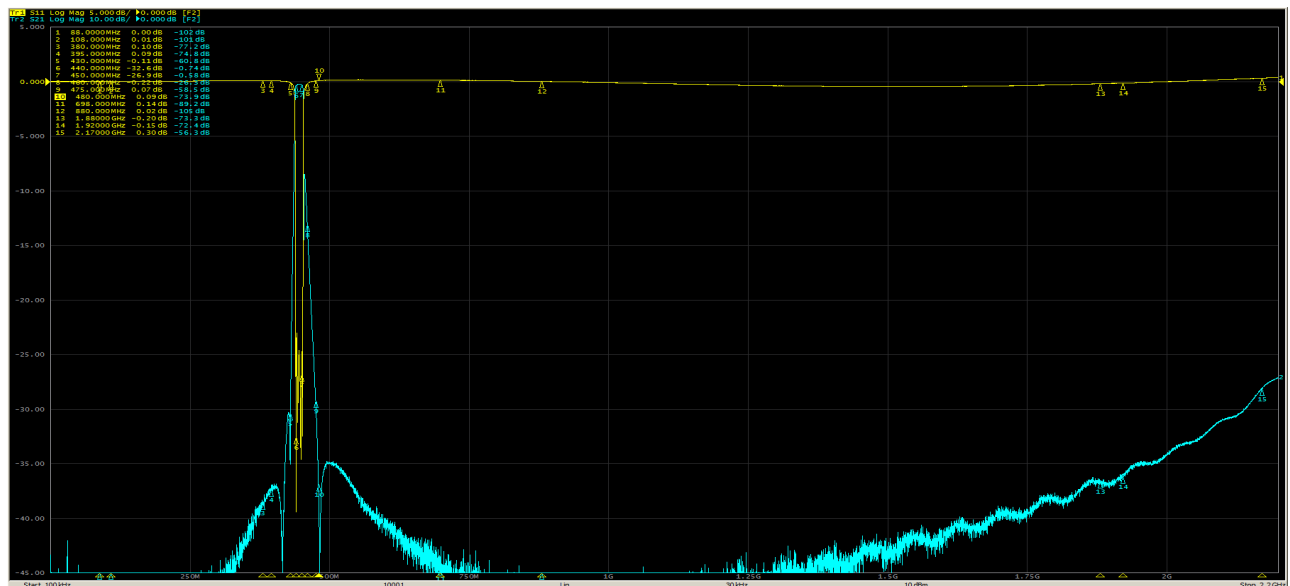
Mechanical Specifications

Dimensions (W x H x D):	109 x 74 x 80 mm	109 x 74 x 80 mm
Connectors:	4.3-10 (f)	7/16 (f)
Weight:	0.8 kg	0.8 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor us

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



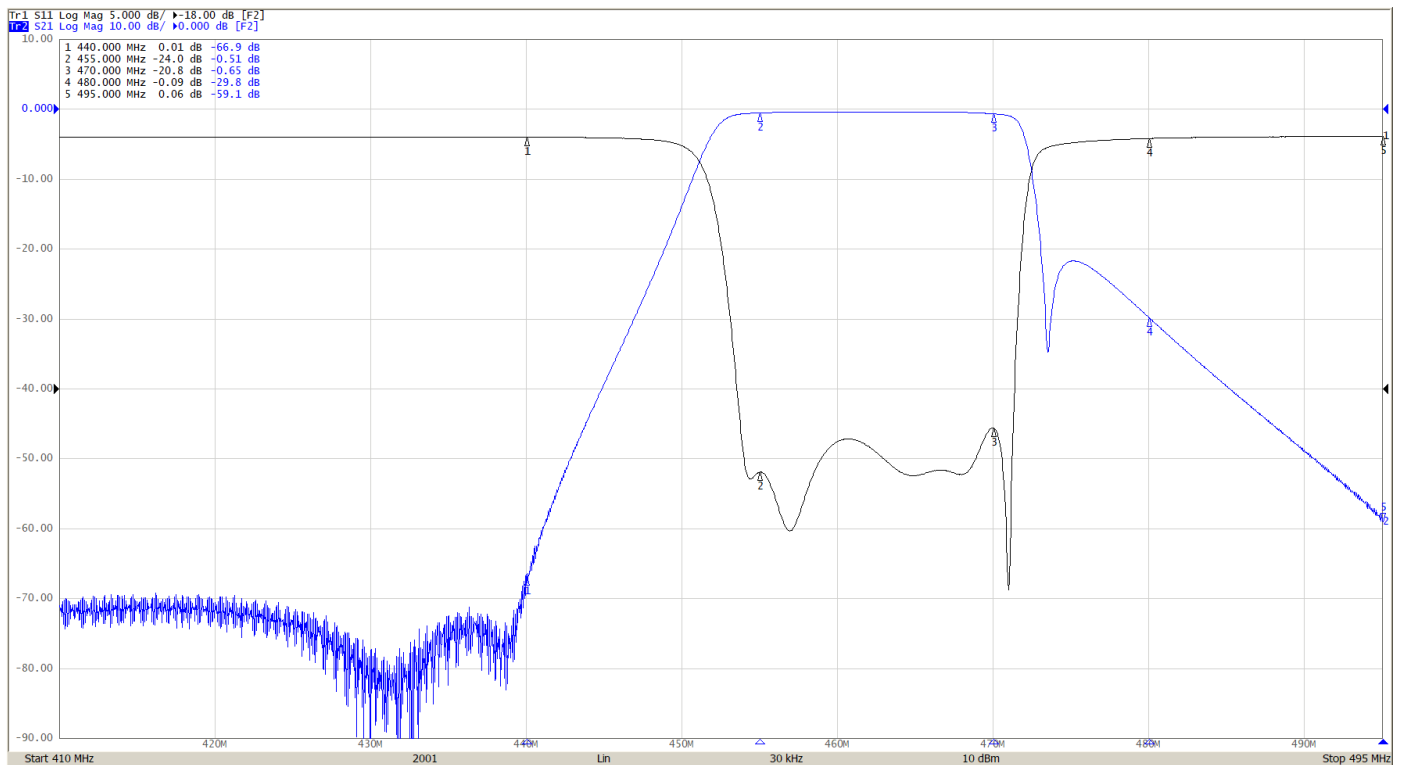
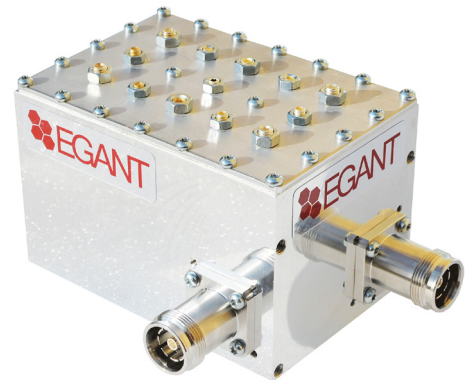
Band Pass Filter TETRA

455 - 470 MHz

Reject Band

DC - 440 MHz

480 - 2170 MHz



Technical Specifications for TETRA Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0393	EG 602 0394	EG 602 0395
Passband:	455- 470 MHz	455- 470 MHz	455- 470 MHz
Reject Band:	480 - 2170MHz	480 - 2170MHz	480 - 2170MHz
Insertion loss:	≤ 0.9 dB, typ 0,6dB	≤ 0.9 dB, typ 0,6dB	≤ 0.9 dB, typ 0,6dB
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Attenuation:			
Reject Band: DC - 440 MHz	≥ 60 dB	≥ 60 dB	≥ 60 dB
Reject Band: 480 MHz	≥ 25 dB	≥ 25 dB	≥ 25 dB
Reject Band: 495 - 2170MHz	≥ 50 dB	≥ 50 dB	≥ 50 dB
Max input power/port:	250 W	250 W	250 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	-110 dBm (153 dBc)

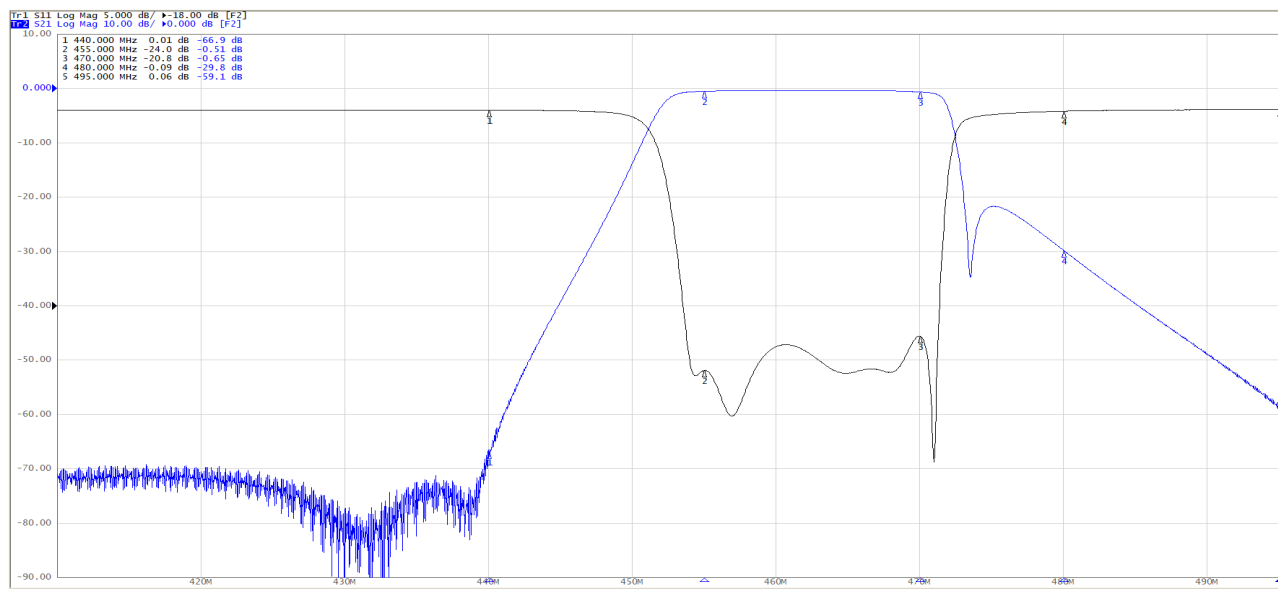
Mechanical Specifications

Dimensions (W x H x D):	109 x 74 x 80 mm	109 x 74 x 80 mm	109 x 74 x 80 mm
Connectors:	4.3-10 (f)	7/16 (f)	N (f)
Weight:	0.8 kg	0.8 kg	0.8 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor us	Indoor us

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



Band Pass Filter

900, 880 - 960 MHz

1800, 1710 - 1880 MHz

2100, 1920 - 2170 MHz



EGANT

High performance Band pass Filter

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Reject bands:

900, 0 - 850MHz, 990 - 6GHz

1800, 0 - 1640MHz, 1960 - 6GHz

2100, 0 - 1850MHz, 2250 - 6GHz

Technical Specifications for 900, 1800, 2100 Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0303	EG 602 0304	EG 602 0305
Passband:	880 - 960 MHz	1710 - 1880 MHz	1920 - 2170 MHz
Reject Band:	0 - 850MHz 990 - 6GHz	0 - 1640MHz 1960 - 6GHz	0 - 1850MHz 2250 - 6GHz
Insertion loss:	≤ 0.6 dB, typ 0,4dB	≤ 0.6 dB, typ 0,4dB	≤ 0.6 dB, typ 0,4dB
Input return loss:	> 16.0 dB	> 16.0 dB	> 16.0 dB
Attenuation in reject band:	> 70dB	> 70dB	> 70dB
Max input power/port:	200 W	200 W	200 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 75 x 165 mm	175 x 45 x 165 mm	175 x 45 x 165 mm
Connectors:	4.3-10 (f)	4.3-10 (f)	4.3-10 (f)
Weight:	1.4 kg	1.4 kg	1.4kg

Environmental Specifications

Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor use	Indoor use	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

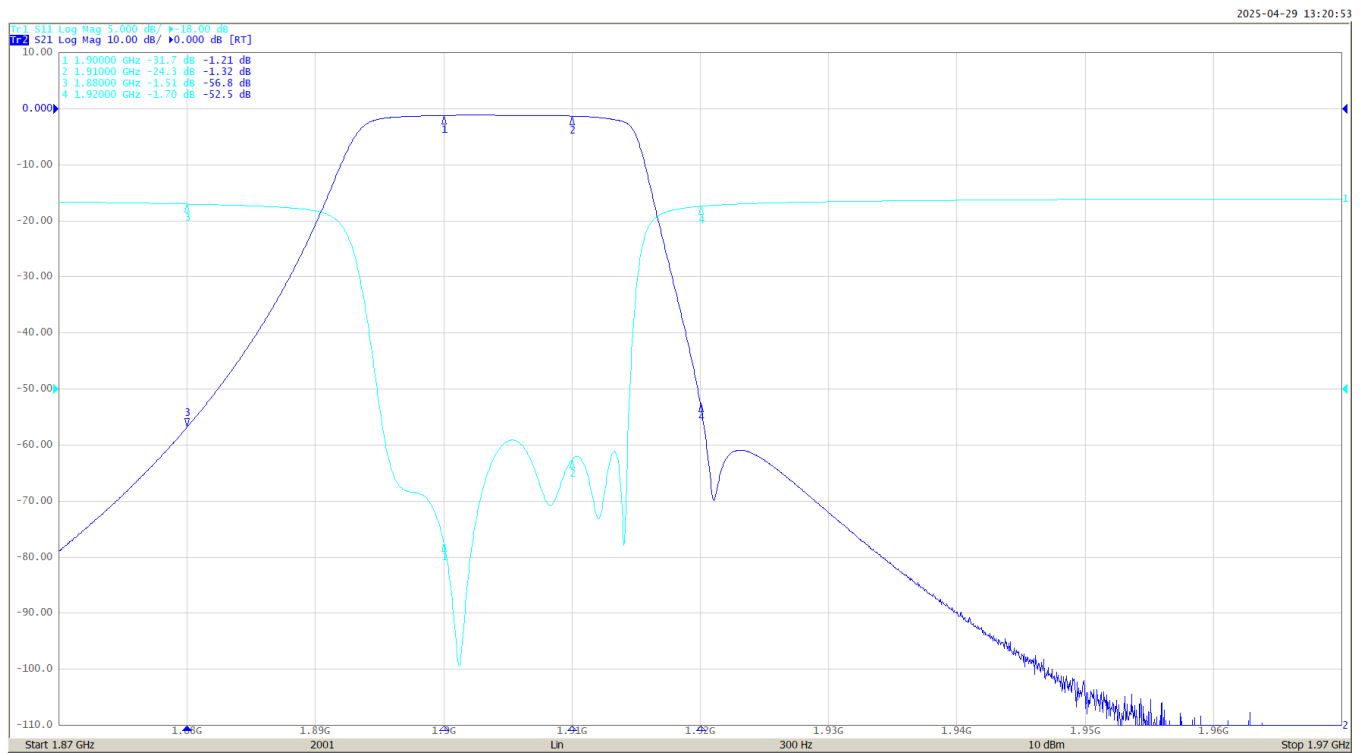
Made in Sweden

RevA



Band Pass Filter FRMCS 1900 - 1910 MHz

Reject Band
DC - 1880 MHz
1920 - 3800 MHz



Technical Specifications for FRMCS Band Pass Filter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 602 0402
Passband:	1900 - 1910 MHz
Reject Band:	DC - 1880 MHz 1920 - 3800 MHz
Insertion loss:	≤ 1.6 dB, typ 1,2dB
Input return loss:	> 18.0 dB
Attenuation:	
Reject Band: DC - 1850 MHz	≥ 100 dB
Reject Band: 1850 - 1880 MHz	≥ 50 dB
Reject Band: 1920 - 1950 MHz	≥ 40 dB
Reject Band: 1950 - 3800 MHz	≥ 100 dB
Max input power/port:	100W
Impedance in/out:	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	300 x 45 x 110 mm
Connectors:	4.3-10 (f)
Weight:	1.0 kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Humidity:	Relative 5 - 95%
Sealing:	Indoor use

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



4 to 1 Combiner 380 - 430 MHz



Combines 4 signals into one antenna port

The Combiner is designed to equally combine 4 input signals into 1 antenna port.

TETRA, 380 - 430MHz

The 4 to 1 combiner are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for 4 to 1 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0244
Passband:	380 - 430 MHz
Input return loss: 380 - 430 MHz	≥ 18 dB
Split loss:	< 6.0 dB
Dissipative loss:	≤ 0.9 dB typ 0.3 dB
Max input power/port:	10 W
Isolation between ports: 380 - 395 MHz	≥ 30 dB, typ 40 dB

Impedance in/out: 50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	132 x 29.5 x 86 mm
Connectors:	N (f)
Weight:	0.4 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C
Sealing:	Indoor

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 270 65
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden



4 to 1 Combiner 380 - 450 MHz



Combines 4 signals into one antenna port

The Combiner is designed to equally combine 4 input signals into 1 antenna port.

TETRA, 380 - 450MHz

The 4 to 1 combiner are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for 4 to 1 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0252
Passband:	380 - 450 MHz
Input return loss:	
380 - 450 MHz	≥ 18 dB
Split loss:	< 6.0 dB
Dissipative loss:	≤ 0.9 dB typ 0.3 dB
Max input power/port:	10 W
Isolation between ports:	
380 - 395 MHz	≥ 30 dB, typ 35 dB
396 - 450 MHz	≥ 25 dB, typ 30 dB

Impedance in/out: 50 Ohm

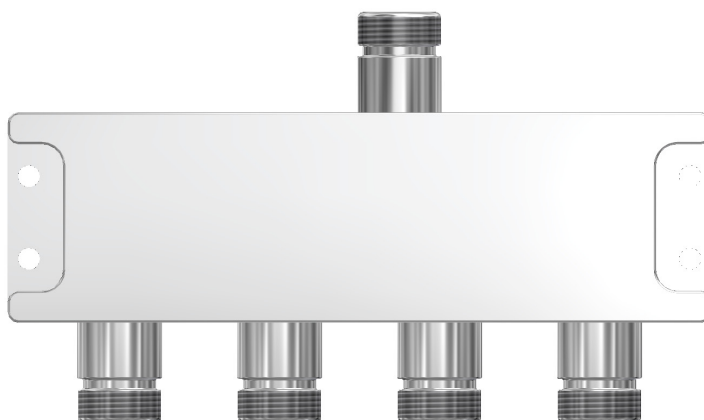
Mechanical Specifications

Dimensions (W x H x D):	132 x 29.5 x 86 mm
Connectors:	N (f)
Weight:	0.4 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C
Sealing:	Indoor

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 270 65
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



8 to 1 Combiner 380 - 430 MHz



Combines 8 signals into one antenna port

The Combiner is designed to equally combine 8 input signals into 1 antenna port.

TETRA, 380 - 430MHz

The 8 to 1 combiner are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for 8 to 1 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 699 0878	EG 699 0908
Passband:	380 - 430 MHz	380 - 430 MHz
Input return loss:		
380 - 430 MHz	≥ 18 dB	≥ 18 dB
Split loss:	< 9.0 dB	< 9.0 dB
Dissipative loss:	≤ 1.7 dB typ 0.6 dB	≤ 1.7 dB typ 0.6 dB
Max input power/port:	10 W	10 W
Isolation between ports:		
380 - 395 MHz	≥ 30 dB, typ 40 dB	≥ 30 dB, typ 40 dB

Impedance in/out:

50 Ohm

50 Ohm

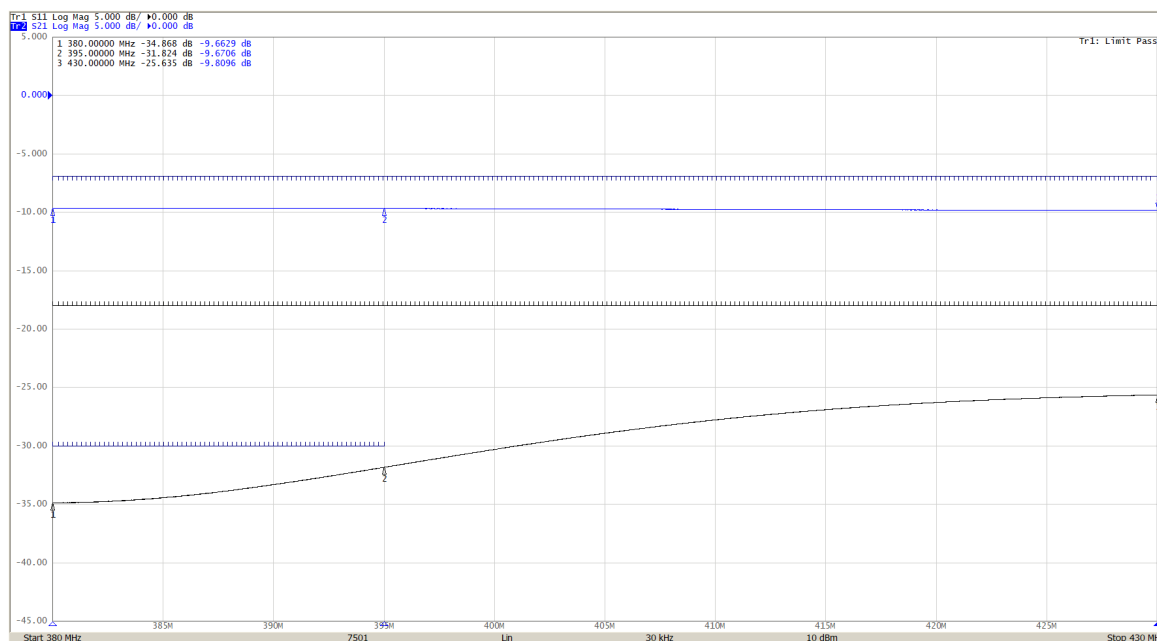
Mechanical Specifications

Model:	19" 1 HU	19" 1 HU
Connectors:	N (f)	4.3-10 (f)
Weight:	1.5 kg	1.5 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C	-5 to +65°C
Sealing:	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 270 65
 SE-114 79 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
www.egant.se

Made in Sweden



2 to 1 Combiner
155 - 165 MHz



Combines 2 signals into one antenna port

The Combiner is designed to equally combine 2 input signals into 1 antenna port.

PMR, 155 - 165MHz

The 2 to 1 combiner are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for 2 to 1 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0250	EG 603 0251
Passband:	155 - 165 MHz	155 - 165 MHz
Input return loss: 155 - 165 MHz	≥ 18 dB	≥ 18 dB
Split loss:	< 3.0 dB	< 3.0 dB
Dissipative loss:	≤ 0.8 dB typ 0.3 dB	≤ 0.8 dB typ 0.3 dB
Max input power/port:	10 W	10 W
Isolation between ports: 155 - 165 MHz	≥ 22 dB, typ 28 dB	≥ 22 dB, typ 28 dB

Impedance in/out:

50 Ohm

50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	240 x 33x 79 mm	240 x 33x 79 mm
Connectors:	N (f)	4.3-10 (f)
Weight:	0.3 kg	0.3 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C	-5 to +65°C
Sealing:	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



2 to 1 Combiner 380 - 430 MHz



Combines 2 signals into one antenna port

The Combiner is designed to equally combine 2 input signals into 1 antenna port.

TETRA, 380 - 430MHz

The 2 to 1 combiner are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for 2 to 1 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0246
Passband:	380 - 430 MHz
Input return loss: 380 - 430 MHz	≥ 18 dB
Split loss:	< 3.0 dB
Dissipative loss:	≤ 0.6 dB typ 0.2 dB
Max input power/port:	10 W
Isolation between ports: 380 - 395 MHz	≥ 30 dB, typ 40 dB

Impedance in/out: 50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	70 x 29.5 x 86 mm
Connectors:	N (f)
Weight:	0.3 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C
Sealing:	Indoor

Egant reserves the right to change this product specification
at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



4-4 Combiner Broadband
376 - 2700 MHz
4 x Inputs, 4 x Antenna ports

Combines up to 4 RBSs into the shared antenna system

The 4-way combiner enables the connection of 4 Radio Base Stations. It combines the signal and equally splits it between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Innovative design

The 4-way combiner incorporates a broad band and low loss product design. It is specifically designed with low insertion loss and intermodulation in mind. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

The benefits from installing the 4-way combiner instead of hybrid combiners and splitters are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for 4-Way Combiner Broadband (MCM)

Below are some typical data. For more detailed information, please contact us.

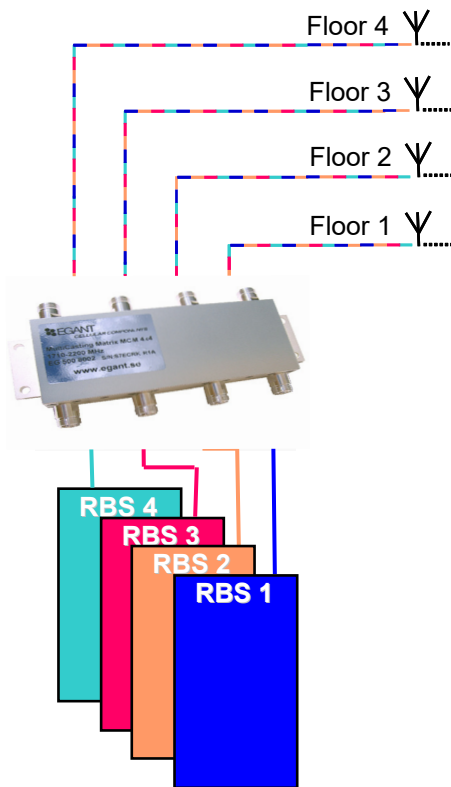
Electrical Specifications		
Product number:	EG 603 0146	EG 603 0238
Passband:	376 - 2700 MHz	376 - 2700 MHz
Isolation between ports:	≥ 25 dB (30 dB typ)	≥ 25 dB (30 dB typ)
Input return loss:	> 16.0 dB	> 16.0 dB
Coupling:	6.4 ± 1.3 dB	6.4 ± 1.3 dB
Max input power/port:	150 W	150 W
3 rd order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	365 x 55 x 164 mm	365 x 55 x 164 mm
Connectors:	4.3-10.0(f)	7/16 (f)
Environmental Specifications		
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Multicasting Matrix MCM 4 x 4 698 - 2700 MHz / LTE800,GSM, TDMA, UMTS, LTE2600



Combines up to 4 RBSs into the same antenna system

The advanced MCM enables you to connect 4 Radio Base Stations. The MCM combines the signals and equally splits them between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Sleek design

The MCM incorporates a broad band and low loss product design. The MCM is specifically designed for low insertion loss and low intermodulation. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

The benefits from installing the MCM instead of hybrid combiners and splitters are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the Multicasting Matrix (MCM)

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 603 0080	EG 603 0081	EG 603 0095
Passband:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Isolation between ports:	≥ 30 dB, typ >33dB	≥ 30 dB, typ >33dB	≥ 30 dB, typ >33dB
Input return loss:	> 21 dB, typ >25dB	> 21 dB, typ >25dB	> 21 dB, typ >25dB
Coupling:	6.4 $\pm$ 0.7 dB	6.4 $\pm$ 0.7 dB	6.4 $\pm$ 0.7 dB
Max input power/port:	150 W	150 W	150 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	< - 117 dBm, 160 dBc	< - 117 dBm, 160 dBc	< - 117 dBm, 160 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	274 x 35 x 155 mm	274 x 35 x 155 mm	274 x 35 x 155 mm
Connectors:	N (f)	7/16 (f)	4.3-10.0 (f)
Weight:	2,25 Kg	2.25 Kg	2.25 Kg
Environmental Specifications			
Temp. range (normal operation):	-30 to +70° C	-30 to +70° C	-30 to +70° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



**3x3 Combiner 4.8dB
376 - 2700 MHz**



Combines up to 3 RBSs into the same antenna system

The 3x3 combiner enables the connection of 3 Radio Base Stations to the combiner. The combiner combines the signal and equally splits the signals between the antenna ports.

This is a highly important function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Innovative design

The 3x3 combiner is a broad band and low loss product design. It is intentionally designed for low insertion loss and low intermodulation.

The benefits of using our 3x3 combiner are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3x3 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 603 0147	EG 603 0148	EG 603 0149
Passband:	376 - 2700 MHz	376 - 2700 MHz	376 - 2700 MHz
Coupling: (698 - 2200 MHz)	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB
Coupling: (2200 - 2700 MHz)	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB
Input return loss:	> 20.0 dB	> 20.0 dB	> 20.0 dB
Isolation between ports:	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)
Intermodulation 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Max input power/port:	150 W	150 W	150 W
Max peak power:	3 kW	3 kW	3 kW
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	204 x 32 x 140 mm	204 x 25 x 140 mm	204 x 25 x 140 mm
Connectors:	N(f)	7/16 (f)	4.3-10.0 (f)
Weight:	1.6 kg	1.4 kg	1.5 kg
Environmental Specifications			
Temp. range (normal operation):	-35 to +65° C	-35 to +65° C	-35 to +65° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67	IP67

Egant reserves the right to change this product specification at any time without notice.

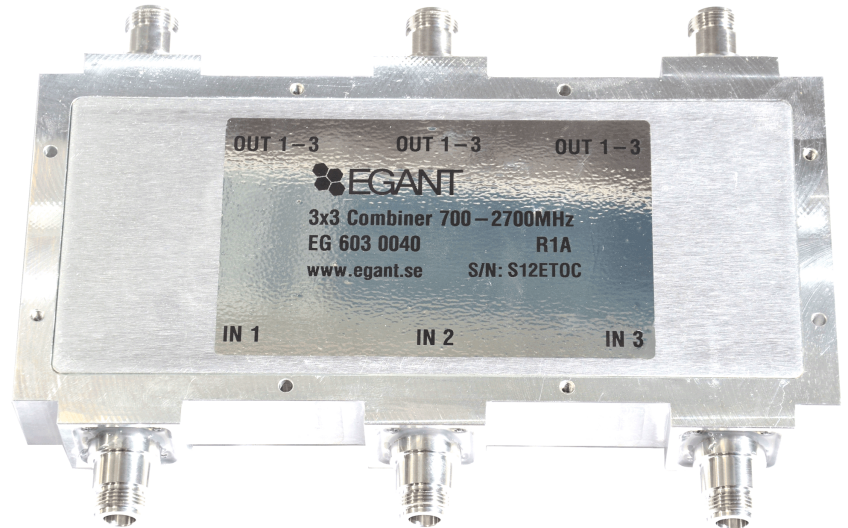
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



3x3 Combiner 4.8dB 698 - 2700 MHz



Combines up to 3 RBSs into the same antenna system

The 3x3 combiner enables the connection of 3 Radio Base Stations to the combiner. The combiner combines the signal and equally splits the signals between the antenna ports.

This is a highly important function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Innovative design

The 3x3 combiner is a broad band and low loss product design. It is intentionally designed for low insertion loss and low intermodulation.

The benefits of using our 3x3 combiner are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

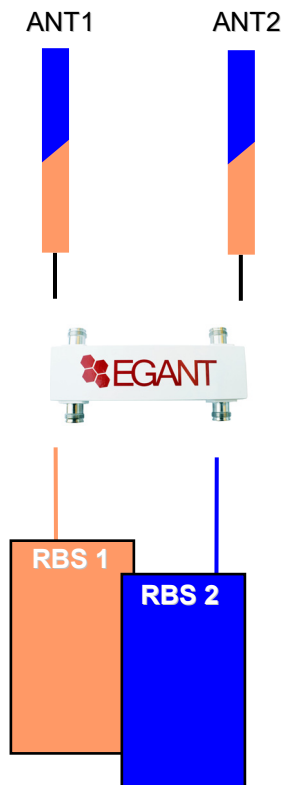
Technical Specifications for the 3x3 Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 603 0039	EG 603 0040	EG 603 0096
Passband:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Coupling: (698 - 2200 MHz)	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB
Coupling: (2200 - 2700 MHz)	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB
Input return loss:	> 20.0 dB	> 20.0 dB	> 20.0 dB
Isolation between ports:	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)
Intermodulation 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Max input power/port:	150 W	150 W	150 W
Max peak power:	3 kW	3 kW	3 kW
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	204 x 32 x 140 mm	204 x 25 x 140 mm	204 x 25 x 140 mm
Connectors:	7/16 (f)	N (f)	4.3-10.0 (f)
Weight:	1.6 kg	1.4 kg	1.5 kg
Environmental Specifications			
Temp. range (normal operation):	-35 to +65° C	-35 to +65° C	-35 to +65° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67	IP67

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



3 dB Combiner 88-108 MHz

Combines up to 2 repeaters or RBSs into the same antenna system

The 3 dB combiner enables the connection of 2 repeaters or radio base stations. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple repeaters or RBSs to the shared antennas.

The benefits from installing the 3 dB combiner instead of power splitters are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Innovative design

The 3 dB combiner incorporates a broad band and low loss design. It is specifically designed with low insertion loss and intermodulation in mind. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0138	EG 603 0139
Passband:	88-108 MHz	88-108 MHz
Isolation between ports:	≥ 22 dB (typ 30dB)	≥ 22 dB (typ 30dB)
Input return loss:	> 16.0 dB	> 16.0 dB
Coupling:	3.1 ± 0.8 dB	3.1 ± 0.8 dB
Max input power/port:	80 W	80 W
Impedance in/out:	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	290 x 25 x 82 mm	290 x 25 x 82 mm
Connectors:	N (f)	4.3-10 (f)

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



**3 dB Combiner, Broad Band
376 - 960 MHz
TETRA, GSM900**



**Combines up to 2 repeaters or RBSs
into the same antenna system**

The 3 dB combiner enables the connection of 2 repeaters or radio base stations. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly desirable function when designing shared antenna systems wishing to connect multiple repeaters or RBSs to the shared antennas.

Innovative design

The 3 dB combiner is designed for low insertion loss and low intermodulation. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

**The benefits from installing the 3 dB
combiner instead of hybrid combiners
and splitters are:**

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 500 8017	EG 500 8018	EG 603 0101
Passband:	376 - 960 MHz	376 - 960 MHz	376 - 960 MHz
Isolation between ports:	≥ 23 dB (typ 30 dB)	≥ 23 dB (typ 30 dB)	≥ 23 dB (typ 30 dB)
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Coupling:	3.1 ± 0.4 dB	3.1 ± 0.4 dB	3.1 ± 0.4 dB
Max input power/port:	120 W	120 W	120 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	< -110 dBm(153dBc)	< -110 dBm (153dBc)	< -110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

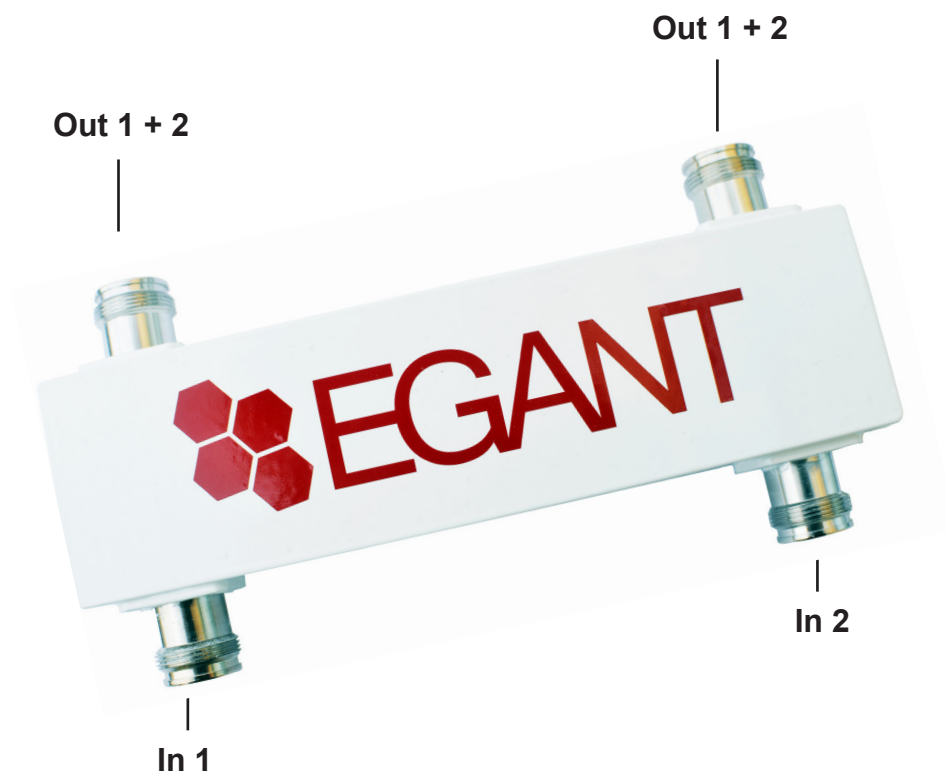
Mechanical Specifications

Dimensions (W x H x D):	210 x 32 x 95 mm	210 x 32 x 95 mm	210 x 32 x 95 mm
Connectors:	N (f)	7/16 (f)	4.3-10.0 (f)

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



3 dB Combiner, Broad Band
376 - 3850 MHz
TETRA, 700, 800, 900, 1800, 2100,
2600, 3500



Innovative design

The 3dB combiner incorporates a broad band and low loss design. It is specifically designed with low insertion loss and intermodulation in mind. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

Combines up to 2 repeaters or RBSs into the same antenna system

The 3 dB combiner enables the connection of 2 repeaters or radio base stations. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple repeaters or RBSs to the shared antennas.

The benefits from installing the 3 dB combiner instead of power splitters are:

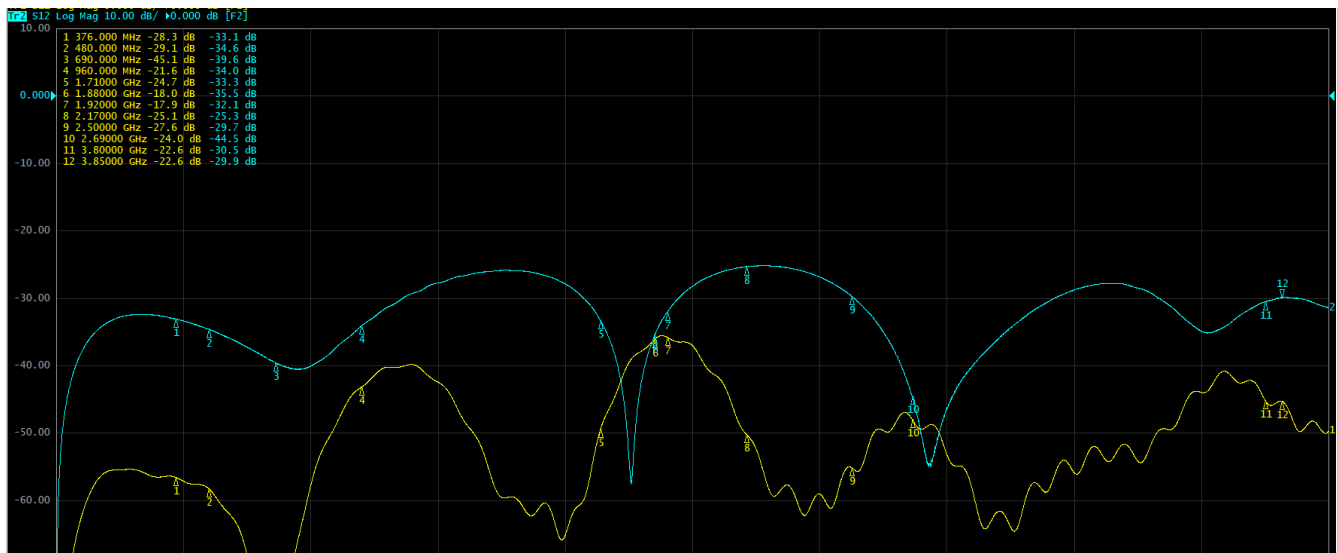
- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 603 0150	EG 603 0151	EG 603 0152
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Isolation between ports:			
376 - 960 MHz:	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB
1710 - 2170 MHz:	≥ 28 dB	≥ 28 dB	≥ 28 dB
2500 - 2690 MHz:	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB
3800 - 3850 MHz:	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB	≥ 28 dB, typ 30 dB
Input return loss:	> 16.0 dB, typ 25dB	> 16.0 dB, typ 25dB	> 16.0 dB, typ 25dB
Coupling:			
376 - 1500 MHz:	3.2 ± 0.6 dB	3.2 ± 0.6 dB	3.2 ± 0.6 dB
1500 - 2500 MHz:	3.6 ± 0.9 dB	3.6 ± 0.9 dB	3.6 ± 0.9 dB
2500 - 2690 MHz:	3.7 ± 0.8 dB	3.7 ± 0.8 dB	3.7 ± 0.8 dB
3500 - 3850 MHz:	3.9 ± 1.0 dB	3.9 ± 1.0 dB	3.9 ± 1.0 dB
Max input power/port:	200 W	200 W	200 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	≤ -110 dBm, 153dBc	≤ -110 dBm, 153dBc	≤ -110 dBm, 153dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	214 x 30 x 122 mm	214 x 30 x 122 mm	214 x 30 x 122 mm
Connectors:	N (f)	7/16 (f)	4.3-10.0 (f)
Environmental Specifications			
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevD

3 dB Combiner 380 - 480 MHz



Combines up to 2 radios, repeaters or RBSs into the same antenna system

The 3 dB combiner enables the connection of 2 radios, repeaters or radio base stations. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly desirable function when designing shared antenna systems wishing to connect multiple radio signals to the shared antennas.

Innovative design

The 3 dB combiner is designed for low insertion loss and high isolation between the signals.

There is no need for additional bracket, the design makes it easy to mount on a wall or in a 19" rack.

The benefits from installing the 3 dB combiner instead of hybrid combiners and splitters are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0258	EG 603 0259
Passband:	380 - 480 MHz	380 - 480 MHz
Isolation between ports:	≥ 26 dB (typ 35 dB)	≥ 26 dB (typ 35 dB)
Input return loss:	> 20.0 dB, typ 25dB	> 20.0 dB, typ 25dB
Coupling:	3.0 ± 0.3 dB	3.0 ± 0.3 dB
Frequency sensitivity:	± 0.20 dB	± 0.20 dB
Max input power/port:	25 W	25 W
Impedance in/out:	50 Ohm	50 Ohm

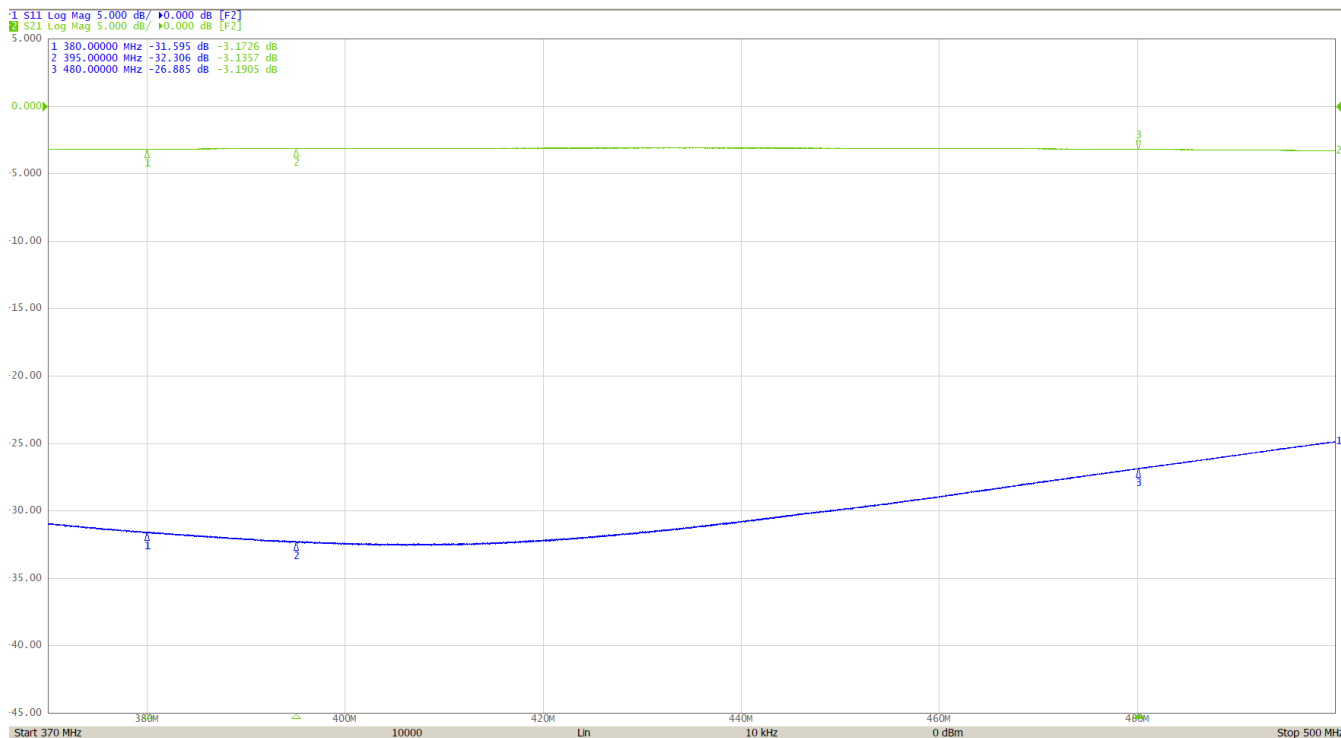
Mechanical Specifications

Dimensions (W x H x D):	60 x 97 x 34mm	60 x 97 x 34mm
Connectors:	N (f)	4.3-10 (f)

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



**3 dB Combiner, Broad Band
698 - 2700 MHz
GSM, TDMA, UMTS, W-LAN, LTE**



Combines up to 2 repeaters into the same antenna system

The 3 dB combiner enables the connection of 2 repeaters. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple repeaters or RBSs to the shared antennas.

Innovative design

The 3 dB combiner incorporates a broad band and low loss design. It is specifically designed with low insertion loss and intermodulation in mind. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

The benefits from installing the 3 dB combiner instead of power splitters are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0160	EG 603 0161
Passband:	698 - 2700 MHz	698 - 2700 MHz
Isolation between ports:		
698-960MHz	≥ 20 dB, 25dB	≥ 20 dB
1710-1880MHz	≥ 22 dB, 27dB	≥ 25 dB
1920-2170MHz	≥ 30 dB, typ .35dB	≥ 30 dB
2500-2690MHz	≥ 17 dB, typ 23dB	≥ 20 dB
Input return loss:	> 18.0 dB	> 18.0 dB
Coupling:	3.1 ± 0.3 dB	3.1 ± 0.3 dB
Max input power/port:	10 W	10 W
3 rd order intermodulation:		
IM3, 2 x 40 dBm:	≤ -110 dBm (150 dBc)	≤ -110 dBm (150 dBc)
Impedance in/out:	50 Ohm	50 Ohm

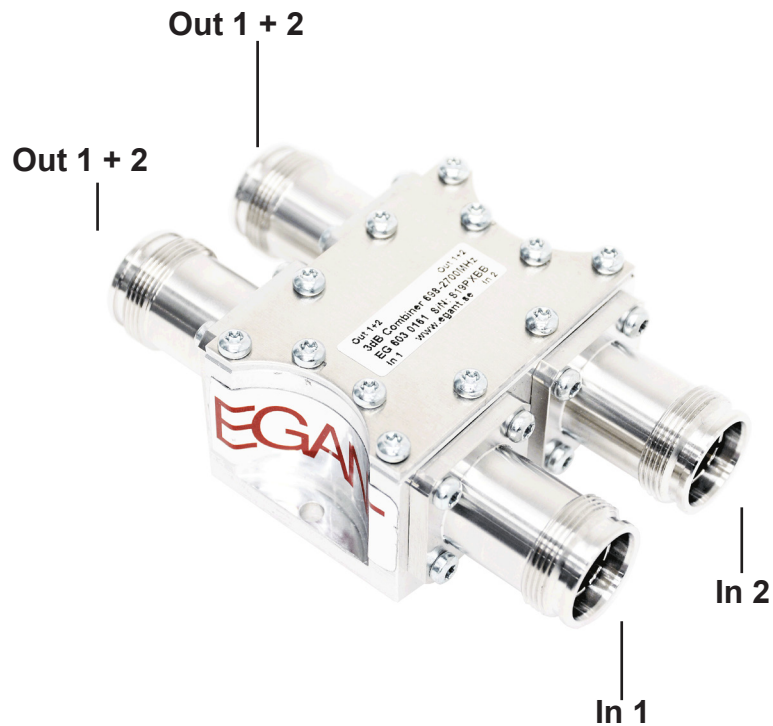
Mechanical Specifications

Dimensions (W x H x D):	60 x 34 x 98 mm	60 x 34 x 98 mm
Connectors:	N (f)	4.3-10 (f)
Weight:	0.3Kg	0.3Kg

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor

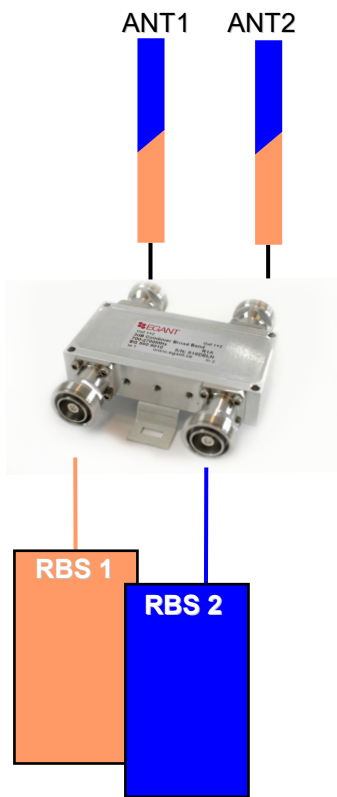
Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



**3 dB Combiner, Broad Band
698 - 2700 MHz
GSM, TDMA, UMTS, W-LAN, LTE**



**Combines up to 2 repeaters or RBSs
into the same antenna system**

The 3 dB combiner enables the connection of 2 repeaters or radio base stations. The combiner combines the signal and equally splits the signals between the antenna ports. This is a highly important function when designing shared antenna systems wishing to connect multiple repeaters or RBSs to the shared antennas.



Innovative design

The 3 dB combiner incorporates a broad band and low loss design. It is specifically designed with low insertion loss and intermodulation in mind. There is no need for terminations or attenuators, which results in very low insertion loss and outstanding intermodulation performance.

**The benefits from installing the 3 dB
combiner instead of power splitters
are:**

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3 dB Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 500 8010	EG 500 8011	EG 603 0097
Passband:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Isolation between ports:	≥ 30 dB	≥ 30 dB	≥ 30 dB
Input return loss:	> 22.0 dB	> 22.0 dB	> 22.0 dB
Coupling:	3.1 ± 0.3 dB	3.1 ± 0.3 dB	3.1 ± 0.3 dB
Max input power/port:	240 W	240 W	240 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	≤ -117 dBm (160 dBc)	≤ -117 dBm (160 dBc)	≤ -117 dBm (160 dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

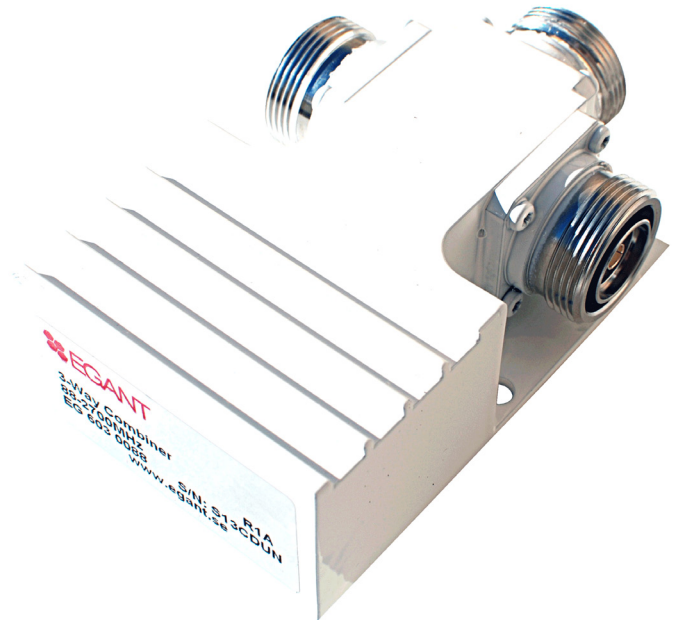
Dimensions (W x H x D):	132 x 35 x 95 mm	132 x 35 x 95 mm	132 x 35 x 95 mm
Connectors:	7/16 (f)	N (f)	4.3-10.0 (f)



Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



Splitter/Combiner 88 - 2700 MHz



Combines up to 2 RBSs into the same antenna system

The Splitter/Combiner enables the connection of 2 Radio Base Stations to the combiner. The combiner combines the signal and equally splits the signals between the antenna ports.

This is a highly important function when designing shared antenna systems wishing to connect multiple RBSs to the shared antennas.

Innovative design

The Splitter/Combiner is a broad band and low loss product design. It is intentionally designed for low insertion loss and low intermodulation.

The benefits of using our splitter-combiner are:

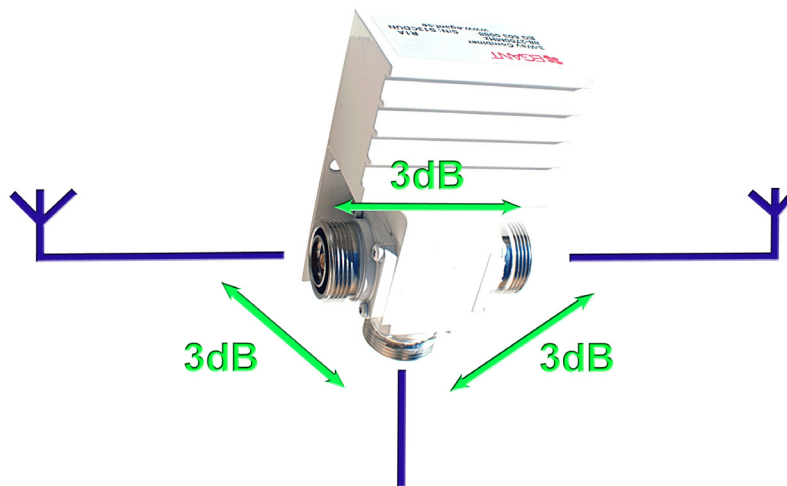
- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the Splitter/Combiner

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 603 0088	EG 603 0171
Passband:	88 - 2700 MHz	88 - 2700 MHz
Coupling:	3.0 +/- 0.4 dB	3.0 +/- 0.4 dB
Input return loss:	> 8.0 dB	> 8.0 dB
Isolation between ports:	3 dB +/- 1.0 dB	3 dB +/- 1.0 dB
Max input power/port:	200 W	200 W
Max peak power:	3 kW	3 kW
3rd order intermodulation:IM3, 2 x 43 dBm:	< - 110 dBm (153dBc)	< - 110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	100 x 40 x 70 mm	100 x 40 x 70 mm
Connectors:	7/16 (f)	4.3-10 (f)
Weight:	0,4 kg	0,4 kg
Environmental Specifications		
Temp. range (normal operation):	-35 to +65° C	-35 to +65° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevF



**6dB, 7dB, 10dB, 13dB, 15dB, 20dB,
30 dB Directional Coupler
376 - 3850MHz**



Tapps off 6 , 7, 10, 13, 15, 20, 30dB of the signal

The coupler is designed to tapp off a portion the signal in one direction and allow the rest of the signal to pass through with minimum of loss.

When building a indoor coverage system the Coupler is often used to tapp off signals to antennas. The functionality of handling both transmit and receiving signals in the same path is very beneficial.

Broad Band, 376 - 3850MHz

The broadband Coupler is designed both electrically and mecha nically to be used for indoor and outdoor applications.

Desin Focus:

- Higher antenna isolation
- Lower insertion loss
- Fewer system components
- Higher system quality
- Cost-effective design improvement

Technical Specifications for the Coupler 6dB, 7dB, 10dB, 13dB, 15dB, 20dB, 30dB

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0202	EG 603 0203	EG 603 0204	EG 603 0205
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<1.4 ± 0.5 dB	<1.3 ± 0.5dB	<0.5 ± 0.5dB	<0.5 ± 0.5dB
Coupling:				
376 - 500MHz	-8.0 ± 0.8 dB	-9.0 ± 1.0 dB	-12.0 ± 1.0 dB	-12.5 ± 1.0 dB
700 - 3850MHz	-6.0 ± 0.8 dB	-7.0 ± 0.8 dB	-10.0 ± 0.8 dB	-13.0 ± 0.8 dB
Directivity:				
376 - 2700MHz	>20dB	>20dB	>20dB	>20dB
2700 - 3850MHz	>17dB	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W	200 W
3 rd order intermodulation:				
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg	0.8 Kg

Electrical Specifications

Product number:	EG 603 0206	EG 603 0207	EG 603 0208
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB
Coupling:			
376 - 500MHz	-14.5 ± 1.0 dB	-22.0 ± 1.0 dB	-31.5 ± 1.0 dB
700 - 3850MHz	-15.0 ± 0.8 dB	-20.0 ± 0.8 dB	-30.0 ± 1.5 dB
Directivity:			
376 - 500MHz	>20dB	>20dB	>20dB
700 - 3850MHz	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg

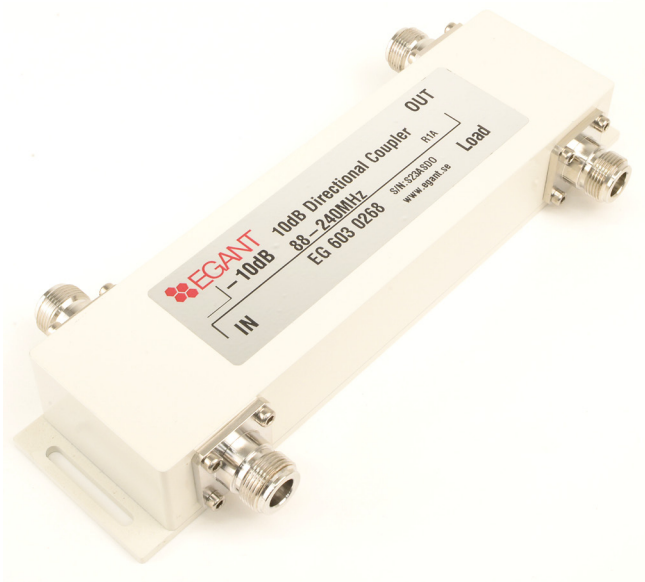
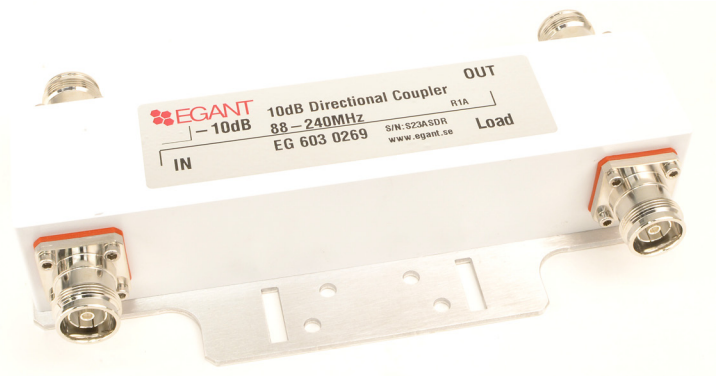
Environmental Specifications

Temp. range (normal operation):	-25 to +55° C	-25 to +55° C	-25 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Egant reserves the right to change this product specification at any time without notice.

10 dB Directional Coupler 88 - 240MHz



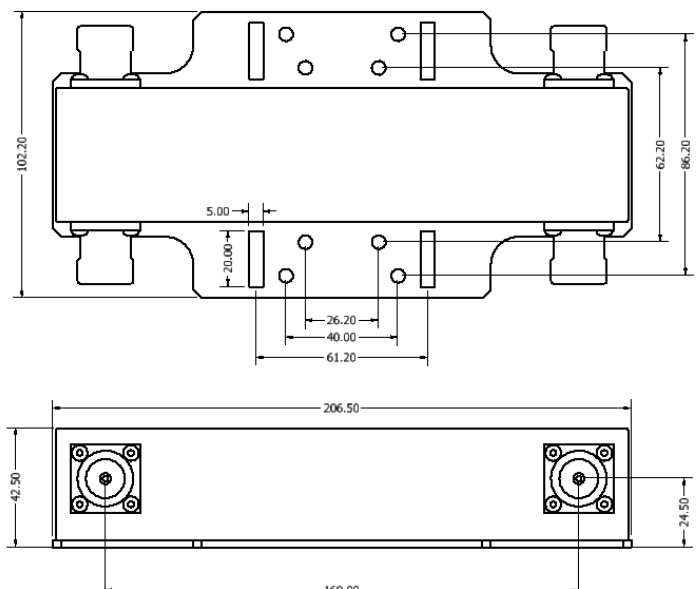
Desin Focus:

- Higher antenna isolation
- Lower insertion loss
- Fewer system components
- Higher system quality
- Cost-effective design improvement

Tapps off 10dB of the signal

The coupler is designed to tapp off a portion the signal in one direction and allow the rest of the signal to pass through with minimum of loss.

When building a indoor coverage system the Coupler is often used to tapp off signals to antennas. The functionality of handling both transmit and receiving signals in the same path is very beneficial.



Technical Specifications for the Coupler 10dB

Below are some typical data. For more detailed information, please contact us.

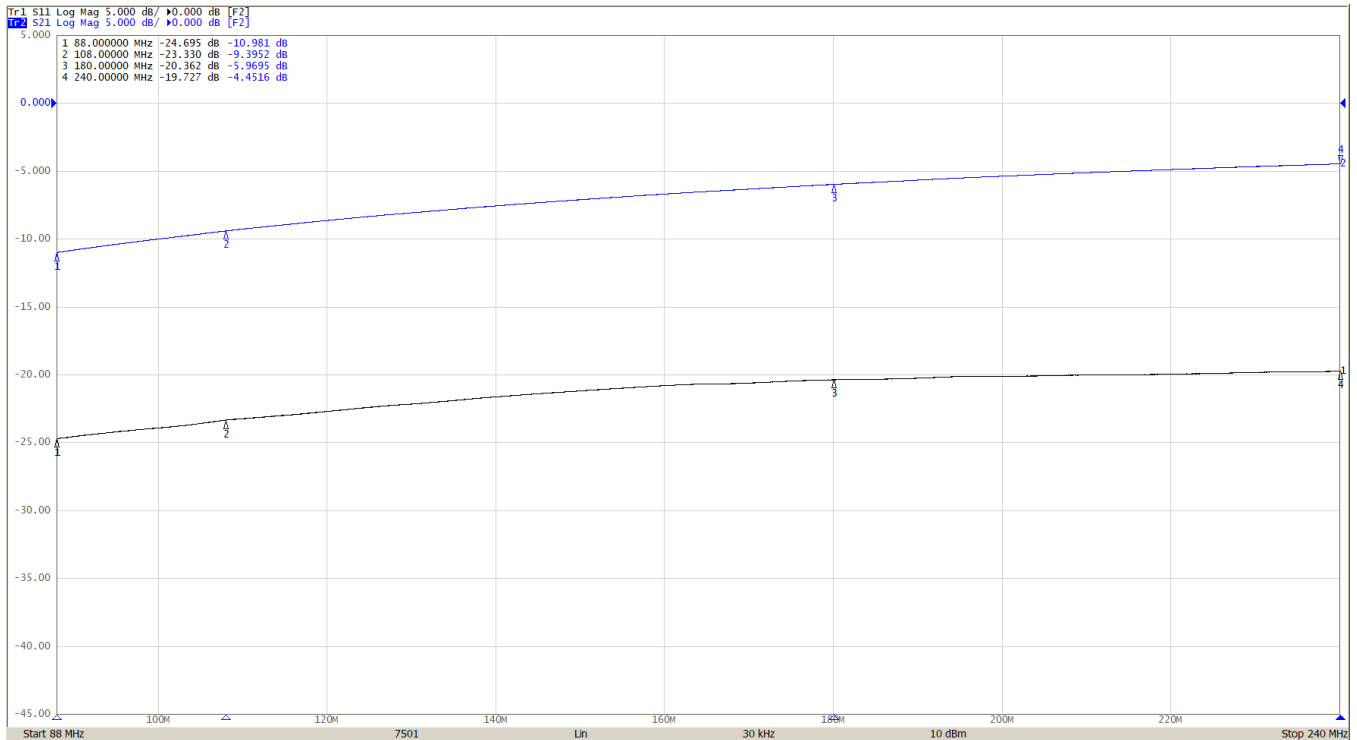
Electrical Specifications

Product number:	EG 603 0268	EG 603 0269
Passband:	88 - 240 MHz	88 - 240 MHz
Input return loss:	> 16.0 dB	> 16.0 dB
Insertion loss, excluding coupling:	<0,6dB	<0,6dB
Coupling:		
88 - 108MHz	-10.0 ± 1.2 dB	-10.0 ± 1.2 dB
180 - 240MHz	-6.0 ± 2.0 dB	-6.0 ± 2.0 dB
Directivity:		
88 - 240MHz	>15dB	>15dB
Max input power:	40 W	40 W
Impedance in/out:	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	205 x 35 x 102,2 mm	206,5 x 42,5 x 102,2 mm
Connectors:	N(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



6dB, 7dB, 10dB, 13dB, 15dB, 20dB, 30 dB
Directional Coupler with external load
376 - 3850MHz



Tapps off 6 , 7, 10, 13, 15, 20, 30dB of the signal

The coupler is designed to tapp off a portion the signal in one direction and allow the rest of the signal to pass through with minimum of loss.

When building a indoor coverage system the Coupler is often used to tapp off signals to antennas. The functionality of handling both transmit and receiving signals in the same path is very beneficial.

Broad Band, 376 - 3850MHz

The broadband Coupler is designed both electrically and mecha nically to be used for indoor and outdoor applications.

Desin Focus:

- Higher antenna isolation
- Lower insertion loss
- Fewer system components
- Higher system quality
- Cost-effective design improvement

Technical Specifications for the Coupler 6dB, 7dB, 10dB, 13dB, 15dB, 20dB, 30dB

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0210	EG 603 0211	EG 603 0212	EG 603 0213
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<1.4 ± 0.5 dB	<1.3 ± 0.5dB	<0.5 ± 0.5dB	<0.5 ± 0.5dB
Coupling:				
376 - 500MHz	-8.0 ± 0.8 dB	-9.0 ± 1.0 dB	-12.0 ± 1.0 dB	-12.5 ± 1.0 dB
700 - 3850MHz	-6.0 ± 0.8 dB	-7.0 ± 0.8 dB	-10.0 ± 0.8 dB	-13.0 ± 0.8 dB
Directivity:				
376 - 2700MHz	>20dB	>20dB	>20dB	>20dB
2700 - 3850MHz	>17dB	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W	200 W
3 rd order intermodulation:				
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg	0.8 Kg

Electrical Specifications

Product number:	EG 603 0214	EG 603 0215	EG 603 0216
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB
Coupling:			
376 - 500MHz	-14.5 ± 1.0 dB	-22.0 ± 1.0 dB	-31.5 ± 1.0 dB
700 - 3850MHz	-15.0 ± 0.8 dB	-20.0 ± 0.8 dB	-30.0 ± 1.5 dB
Directivity:			
376 - 500MHz	>20dB	>20dB	>20dB
700 - 3850MHz	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg

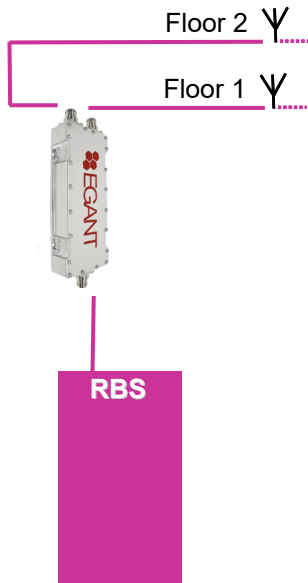
Environmental Specifications

Temp. range (normal operation):	-25 to +55° C	-25 to +55° C	-25 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Egant reserves the right to change this product specification at any time without notice.

Power Splitter
88 - 270 MHz
FM, DAB



Design Highlights:

- High Return Loss / Good SWR
- Low insertion loss
- Easy installation
- No active components (robust design)

Splits signals in 2 ways

The power splitter is designed to equally split one input signal into 2 outputs.

When building an indoor coverage system the splitter is often used to split signals between floors and antennas. The functionality of handling both transmitting and receiving signals in the same path is highly beneficial.

Technical Specifications for Power Splitter

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:

2-Way Power Splitter

EG 605 0076

2-Way Power Splitter

EG 605 0077

2-Way Power Splitter

EG 605 0078

Passband:

88 - 270 MHz

88 - 270 MHz

88 - 270 MHz

Input return loss:

≥ 16 dB, typ 21dB

≥ 16 dB, typ 21dB

≥ 16 dB, typ 21dB

Split loss:

3 dB

3 dB

3 dB

Dissipative loss:

< 0,8 dB, typ 0.4 dB

< 0,8 dB, typ 0.4 dB

< 0,8 dB, typ 0.4 dB

Max input power/port:

25 W avg.

25 W avg.

25 W avg.

Impedance in/out:

50 Ohm

50 Ohm

50 Ohm

Mechanical Specifications

Dimensions (W x H x D):

240x 80 x 35 mm

240x 80 x 35 mm

240x 80 x 35 mm

Connectors:

N (f)

4.3-10 (f)

SMA (f)

Weight:

1.0 kg

1.0 kg

1.0 kg

Environmental Specifications

Temp. range (normal operation):

-35 to +70°C

-35 to +70°C

-35 to +70°C

Humidity:

Relative 5 - 99%

Relative 5 - 99%

Relative 5 - 99%

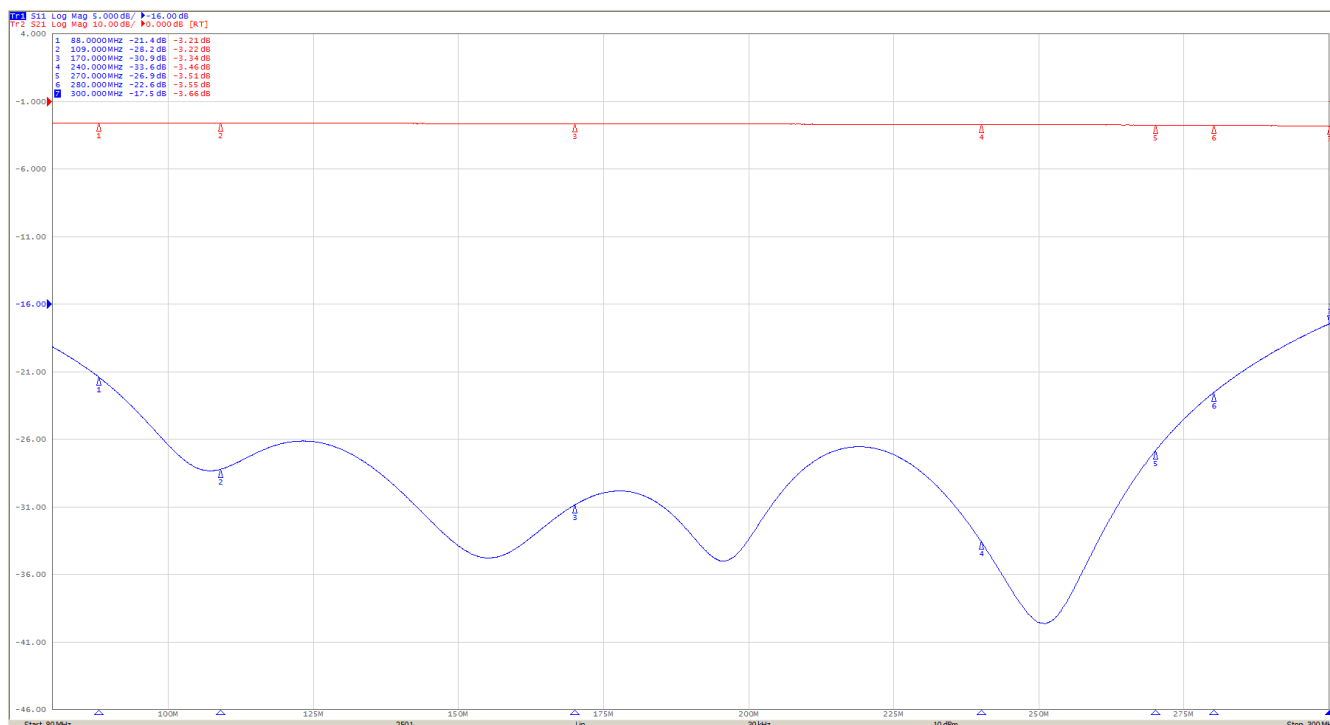
Sealing:

Indoor

Indoor

Indoor

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
 www.egant.se

Made in Sweden

RevA



2-Way Power Splitters Broadband 88 - 3850 MHz



Splits signals in 2-ways

The 2-way power splitters are designed to equally split one input signal into 2 outputs.

When building an indoor coverage system the splitter is often used to diverge signals between floors and antennas. The functionality of handling transmitting and receiving signals in the same path is highly beneficial as the TX signal is split up and the RX signal is combined in the same stage and component.

High bandwidth, 88 - 3850 MHz

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accomodate for tomorrow's cellular systems, thus minimizing the need to replace older components when adding new services into a system.

Design Highlights:

- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)

Technical Specifications for Power Splitters 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		2-Way Power Splitter	2-Way Power Splitter	2-Way Power Splitter
Product number:		EG 605 0071	EG 605 0072	EG 605 0073
Passband:		88 - 3850 MHz	88 - 3850 MHz	88 - 3850 MHz
Input return loss:				
88 -376MHz	≥ 10 dB, typ 20 dB	≥ 10 dB, typ 20 dB	≥ 10 dB, typ 20 dB	≥ 10 dB, typ 20 dB
376-3850MHz	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB
Split loss:	< 3.0 dB	< 3.0 dB	< 3.0 dB	< 3.0 dB
Dissipative loss:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Insertion loss:	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 rd order intermodulation:				
IM3, 2 x 43 dBm:	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 45 mm	276 x 26 x 45 mm	276 x 26 x 45 mm
Connectors:	N (f)	7/16 (f)	7/16 (f)	4.3-10 (f)
Weight:	1.2 kg	1.20 kg	1.20 kg	1.20 kg
Environmental Specifications				
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65	IP65
Installation support:	EG 699 0005	EG 699 0005	EG 699 0005	EG 699 0005
Material:	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Power Splitters, Broadband
376 - 2200 MHz
TETRA, NMT, LTE800, LTE900
GSM900, LTE1800, GSM1800,
LTE2100, UMTS2100



Splits signals in 2, 3 or 4 ways

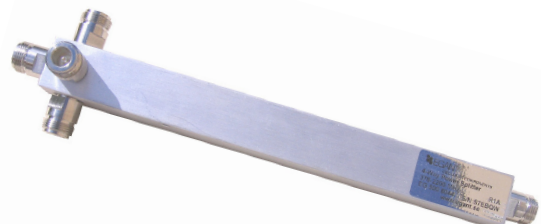
The power splitter is designed to equally split one input signal into 2, 3 or 4 outputs. When building an indoor coverage system the splitter is often used to split signals between floors and antennas. The functionality of handling both transmitting and receiving signals in the same path is highly beneficial since the TX signal is split and the RX signal is combined in the same stage and component.

TETRA, 376 - 2200 MHz

The 2-way, 3-way and 4-way power splitters are individually designed to be used with TETRA, NMT, LTE800, LTE900, GSM900, LTE1800, GSM1800, LTE2100 and UMTS2100.

Design highlights:

- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)



Technical Specifications for Power Splitters

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 500 8032	EG 500 8033	EG 500 8034	
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter	
Input return loss:	376 - 2200 MHz	376 - 2200 MHz	376 - 2200 MHz	
	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB	
Dissipative loss:				
376 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB	
Max input power/port:	700 W avg.	700 W avg.	700 W avg.	
	3 kW peak	3 kW peak	3 kW peak	
3 rd order intermodulation:				
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	
Mechanical Specifications				
Dimensions (W x H x D):	267 x 57 x 27 mm	26 x 57 x 90 mm	267 x 60 x 90 mm	
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	
Weight:	1.12 kg	1.20 kg	1.20 kg	
Environmental Specifications				
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C	
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%	
Sealing:	IP68	IP68	IP68	
Installation support:	EG 699 0005	EG 699 0005	EG 699 0386	
	Bracket, aluminum	Bracket, aluminum	Bracket, stainless steel	

Electrical Specifications				
Product number:	EG 500 8042	EG 500 8043	EG 500 8044	
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter	
Input return loss:	376 - 2200 MHz	376 - 2200 MHz	376 - 2200 MHz	
	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB	
Dissipative loss:	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB	
Max input power/port:	700 W avg.	700 W avg.	700 W avg.	
	3 kW peak	3 kW peak	3 kW peak	
3rd order intermodulation:				
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)	
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	
Mechanical Specifications				
Dimensions (W x H x D):	252 x 26 x 50 mm	252 x 26 x 70 mm	252 x 50 x 70 mm	
Connectors:	N (f)	N (f)	N (f)	
Weight:	0.45 kg	0.50 kg	0.55 kg	
Environmental Specifications				
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C	
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%	
Sealing:	IP65	IP65	IP65	
Installation support:	EG 699 0005	EG 699 0005	EG 699 0386	
	Bracket, aluminum	Bracket, aluminum	Bracket, stainless steel	

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Power Splitters, Broadband 376 - 2200 MHz TETRA, NMT, 800, 900, 1800, 2100



Splits signals in 2, 3 or 4 ways

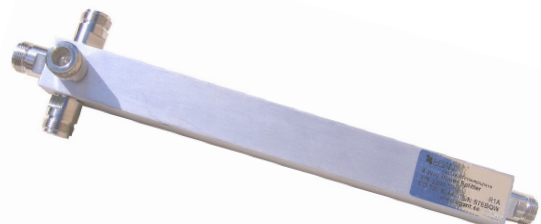
The power splitter is designed to equally split one input signal into 2, 3 or 4 outputs. When building an indoor coverage system the splitter is often used to split signals between floors and antennas. The functionality of handling both transmitting and receiving signals in the same path is highly beneficial since the TX signal is split and the RX signal is combined in the same stage and component.

TETRA, 376 - 2200 MHz

The 2-way, 3-way and 4-way power splitters are individually designed to be used with TETRA, NMT, LTE800, LTE900, GSM900, LTE1800, GSM1800, LTE2100 and UMTS2100.

Design highlights:

- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)



Technical Specifications for Power Splitters

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 500 8132	EG 500 8133	EG 500 8134
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss:	376 - 2200 MHz	376 - 2200 MHz	376 - 2200 MHz
	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss:			
376 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB
Max input power/port:	700 W avg. 3 kW peak	700 W avg. 3 kW peak	700 W avg. 3 kW peak
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	≤ -117 dBm (160 dBc)	≤ -117 dBm (160 dBc)	≤ -117 dBm (160 dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	253 x 38 x 80 mm	271 x 38 x 80 mm	271 x 80 x 80 mm
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	1.12 kg	1.20 kg	1.20 kg
Environmental Specifications			
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP68	IP68	IP68
Installation support:	EG 699 0005 Bracket, aluminum	EG 699 0005 Bracket, aluminum	EG 699 0386 Bracket, stainless steel

Egant reserves the right to change this product specification
at any time without notice.

Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



2-Way Power Splitters Broadband 376 - 3850 MHz



Splits signals in 2-ways

The 2-way power splitters are designed to equally split one input signal into 2 outputs.

When building an indoor coverage system the splitter is often used to diverge signals between floors and antennas. The functionality of handling transmitting and receiving signals in the same path is highly beneficial as the TX signal is split up and the RX signal is combined in the same stage and component.

High bandwidth, 376 - 3850 MHz

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accomodate for tomorrow's cellular systems, thus minimizing the need to replace older components when adding new services into a system.

Design Highlights:

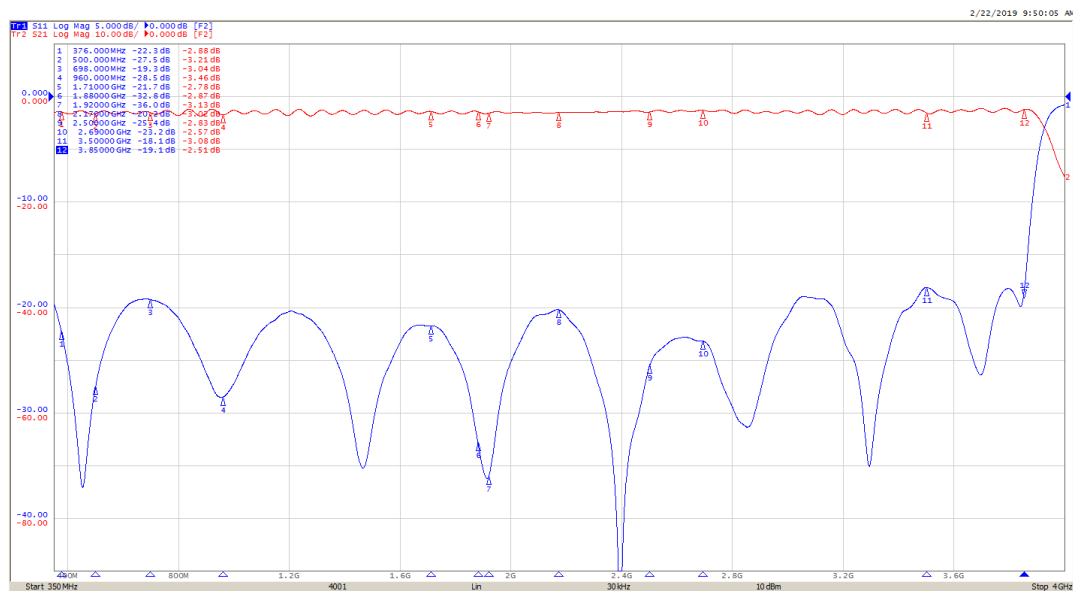
- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)

Technical Specifications for Power Splitters 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		2-Way Power Splitter	2-Way Power Splitter	2-Way Power Splitter
Product number:		EG 605 0060	EG 605 0061	EG 605 0062
Passband:		376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB
Split loss:	< 3.0 dB	< 3.0 dB	< 3.0 dB	< 3.0 dB
Dissipative loss:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Insertion loss:	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 rd order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153dBc)	≤ -110 dBm (153dBc)	≤ -110 dBm (153dBc)	≤ -110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 45 mm	276 x 26 x 45 mm	276 x 26 x 45 mm
Connectors:	N (f)	7/16 (f)	7/16 (f)	4.3-10 (f)
Weight:	1.2 kg	1.20 kg	1.20 kg	1.20 kg
Environmental Specifications				
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65	IP65
Installation support:	EG 699 0005	EG 699 0005	EG 699 0005	EG 699 0005
Material:	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
www.egant.se

Power Splitters, Tetra 380 - 395 MHz



Splits signals in 2, 3 or 4 ways

The power splitter is designed to equally split one input signal into 2, 3 or 4 outputs.

When building an indoor coverage system the splitter is often used to split signals between floors and antennas. The functionality of handling both transmitting and receiving signals in the same path is highly beneficial since the TX signal is split and the RX signal is combined in the same stage and component.

TETRA, 380 - 395 MHz

The 2-way, 3-way and 4-way power splitters are individually designed to be used for Tetra.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Technical Specifications for Power Splitters

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications			
Product number:	EG 605 0041	EG 605 0042	EG 605 0043
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss:	380 - 395 MHz	380 - 395 MHz	380 - 395 MHz
380 - 395 MHz	≥ 18 dB	≥ 18 dB	≥ 18 dB
Split loss:	< 3.0 dB	< 4.8 dB	< 6.0 dB
Dissipative loss:	≤ 0.3 dB	≤ 0.4 dB	≤ 0.5 dB
Max input power/port:	50 W	50 W	50 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	110 x 22 x 70 mm	130 x 22 x 100 mm	130 x 22 x 130 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.3 kg	0.40 kg	0.6 kg
Environmental Specifications			
Temp. range (normal operation):	-5 to +65°C	-5 to +65°C	-5 to +65°C
Sealing:	Indoor	Indoor	Indoor

Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



Power Splitters, Broadband, Inline 694 - 3800 MHz



Splits signals in 2, 3 or 4 ways

The power splitter is designed to equally split one input signal into 2, 3 or 4 outputs.

When building an indoor coverage system the splitter is often used to diverge signals between floors and antennas. The functionality of handling transmitting and receiving signals in the same path is highly beneficial as the TX signal is split up and the RX signal is combined in the same stage and component.

High bandwidth, 694 - 3800 MHz

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accomodate for tomorrow's cellular systems, thus minimizing the need to replace older components when adding new services into a system.

Design Highlights:

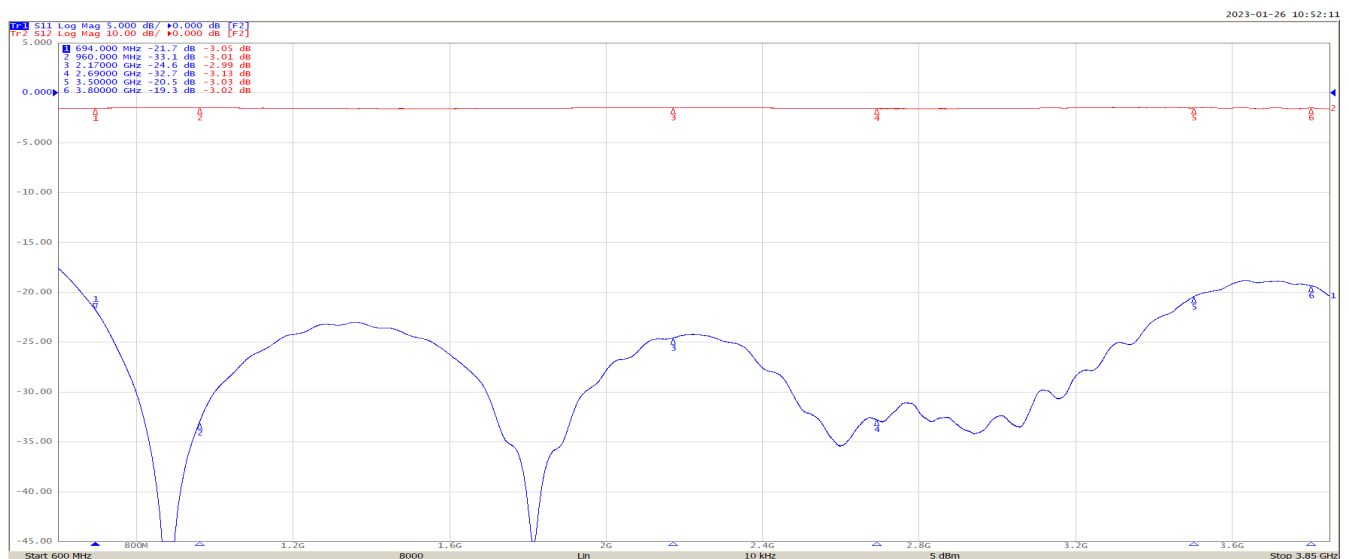
- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)

Technical Specifications for Power Splitters 694 - 3800 MHz

Below are some typical data. For more detailed information, please contact us.

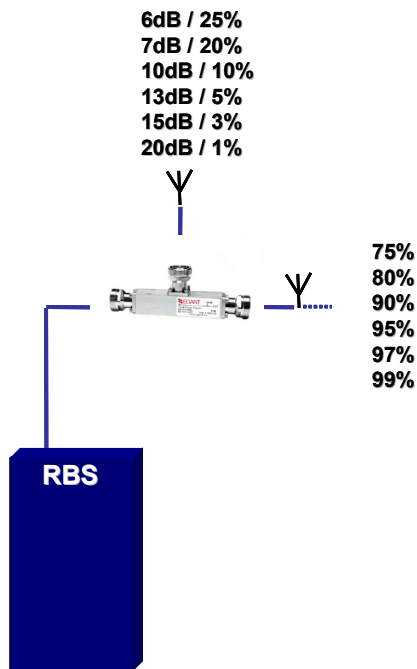
Electrical Specifications	2-Way Power Splitter EG 605 0085	3-Way Power Splitter EG 605 0086	4-Way Power Splitter EG 605 0087
Product number:	EG 605 0085	EG 605 0086	EG 605 0087
Passband:	694 - 3800 MHz	694 - 3800 MHz	694 - 3800 MHz
Input return loss:			
694 - 2690MHz	≥ 17.5 dB, typ 20 dB	≥ 17.5 dB, typ 20 dB	≥ 17.5 dB, typ 20 dB
2700 - 3800MHz	≥ 16.5 dB, typ 20 dB	≥ 16.5 dB, typ 20 dB	≥ 16.5 dB, typ 20 dB
Split loss:			
694 - 2690MHz	3.1 dB +/- 0.2 dB	4.8 dB +/- 0.4 dB	6.2 dB +/- 0.6 dB
2700 - 3800MHz	3.1 dB +/- 0.3 dB	4.8 dB +/- 0.5 dB	6.2 dB +/- 0.7 dB
Max input power/port:	300 W	300 W	300 W
3 rd order intermodulation:			
IM3, 2 x 43 dBm:	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	94 x 23 x 118 mm	108 x 23 x 122 mm	138 x 23 x 125 mm
Connectors:	4.3-10 (f)	4.3-10 (f)	4.3-10 (f)
Weight:	0.4 kg	0.5 kg	0.6 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
 www.egant.se

Power Tappers 88 - 5850 MHz



Low loss design

The Egant Power Tapper is designed to tap off a portion of the signal in one direction while allowing the rest of the signal to pass through with a minimum of loss.

A power tapper is often used to tap off signals to antennas when building indoor or tunnel networks. The Egant Power Tapper comes in seven degrees of tapping, making it easy to choose the one that taps off the desired amount of power to the antenna.



Superior bandwidth, 88 - 5850 MHz

The extremely broadbanded Egant Power Tapper is designed with ease of installation in mind. Its robust mechanical shape allows for simple attachment to a wall using clips or straps.

Installation brackets

Use the flexible bracket EG 699 0005 for Power Tappers, both for N, 4.3-10.0 and DIN connectors.

Technical Specifications for Egant Power Tappers

Below are some typical data. For more detailed information, please contact us.

Electrical and Mechanical Specifications

Frequency Band:	88 - 1000 MHz, 1710 - 2700 MHz, 3400 - 3800MHz, 4200 - 5850MHz
Input return loss:	≥ 16.0 dB
Max input power:	500 W avg. / 3 kW peak
Impedance in/out:	50 Ohm
Dimensions (W x H x D):	145 x 60 x 40 mm
Installation support:	Brackets: EG 699 0005
3 rd order intermodulation:	
IM3, 2 x 43 dBm:	< - 110 dBm / 153 dBc

Environmental Specifications

Temp. range (normal operation):	-35 to +70° C
Humidity:	Relative 5 - 100%
Sealing: N (f)	IP65
Sealing: 7/16 (f)	IP67
Sealing: 4.3-10.0 (f)	IP67

Product number:		EG 501 3406	EG 501 3407	EG 501 3408	EG 501 3409	EG 501 3410	EG 501 3411
Coupling:							
380-5850 MHz		-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10.0 dB	-11.0 dB
150-379 MHz		-7.5 dB	-8.5 dB	-10.0dB	-11.0 dB	-12.0 dB	-12.5 dB
88-149MHz		-9.2dB	-10.4dB	-12.0dB	-13.0dB	-14.0dB	-14.5dB
Insertion loss:		0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:		7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:	EG 501 3412	EG 501 3413	EG 501 3414	EG 501 3415	EG 501 3420	EG 501 3425	EG 501 3430
Coupling:							
380-5850 MHz	-12.0 dB	-13.0 dB	-14.0 dB	-15.0 dB	-20.0 dB	-25.0 dB	-30.0 dB
150-379 MHz	-13.5 dB	-14.2 dB	-15.0 dB	-15.7.0dB	-20.0dB	-25.0dB	-29.0dB
88-149MHz	-15.3dB	-15.4dB	-16.0dB	-17.0dB	-21.0dB	-26.2dB	-28.5dB
Insertion loss:	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:		EG 501 3506	EG 501 3507	EG 501 3508	EG 501 3509	EG 501 3510	EG 501 3511
Coupling:							
380-5850 MHz		-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10.0 dB	-11.0 dB
150-379 MHz		-7.5 dB	-8.5 dB	-10.0 dB	-11.0 dB	-12.0 dB	-12.5 dB
88-149MHz		-9.2dB	-10.4dB	-12.0dB	-13.0dB	-14.0dB	-14.5dB
Insertion loss:		0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:		N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 501 3512	EG 501 3513	EG 501 3514	EG 501 3515	EG 501 3520	EG 501 3525	EG 501 3530
Coupling:							
380-5850 MHz	-12.0 dB	-13.0 dB	-14.0 dB	-15.0 dB	-20.0 dB	-25.0 dB	-30.0 dB
150-379 MHz	-13.5 dB	-14.2 dB	-15.0 dB	-15.7 dB	-20.0 dB	-25.0dB	-29.0 dB
88-149MHz	-15.3dB	-15.4dB	-16.0dB	-17.0dB	-21.0dB	-26.2dB	-28.5dB
Insertion loss:	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)

Egant reserves the right to change this product specification at any time without notice.

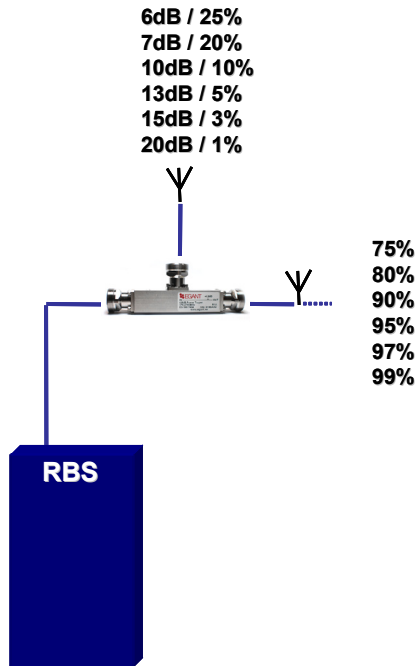
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



Power Tappers

376 - 2700 MHz

TETRA, 700, 800, 900, 1800, 2100, 2600



Low loss design

The Egant Power Tapper is designed to tap off a portion of the signal in one direction while allowing the rest of the signal to pass through with a minimum of loss.

A power tapper is often used to tap off signals to antennas when building indoor or tunnel networks. The Egant Power Tapper comes in fourteen degrees of tapping, making it easy to choose the one that taps off the desired amount of power to the antenna.

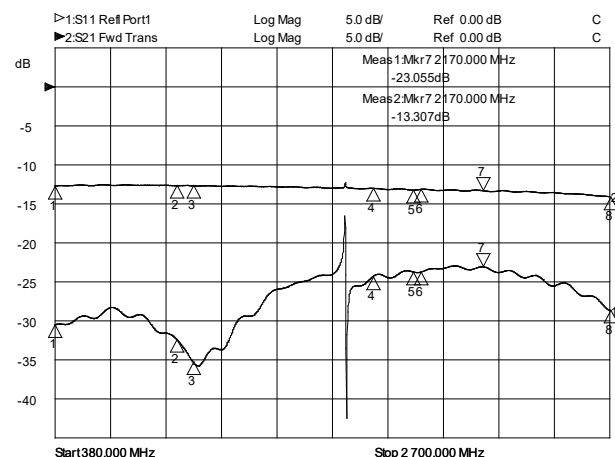


Superior bandwidth, 376 - 2700 MHz

The extremely broadbanded Egant Power Tapper is designed with ease of installation in mind. Its robust mechanical shape allows for simple attachment to a wall using clips or straps.

Installation brackets

Use the flexible mounting bracket EG 699 0005.



Technical Specifications for Egant Power Tappers

Below are some typical data. For more detailed information, please contact us.

Electrical and Mechanical Specifications

Frequency Band:	376 - 1000 MHz & 1710 - 2700 MHz
Input return loss:	≥ 17.5 dB
Insertion loss:	0.05 dB
Max input power:	500 W avg. / 3 kW peak
Impedance in/out:	50 Ohm
Dimensions (W x H x D):	145 x 60 x 26 mm
Installation support:	Brackets: EG 699 0005
3 rd order intermodulation:	
IM3, 2 x 43 dBm:	< - 117 dBm / 160 dBc

Environmental Specifications

Temp. range (normal operation):	-35 to +70° C
Humidity:	Relative 5 - 100%
Sealing: N (f)	IP65
Sealing: 7/16 (f), 4.3-10.0 (f)	IP68

Product number:	EG 500 7404	EG 500 7406	EG 500 7407	EG 500 7408	EG 500 7409	EG 500 7410	EG 500 7411
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:	EG 500 7412	EG 500 7413	EG 500 7414	EG 500 7415	EG 500 7420	EG 500 7425	EG 500 7430
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1 dB	0.1 dB	0.1 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:	EG 500 7504	EG 500 7506	EG 500 7507	EG 500 7508	EG 500 7509	EG 500 7510	EG 500 7511
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 500 7512	EG 500 7513	EG 500 7514	EG 500 7515	EG 500 7520	EG 500 7525	EG 500 7530
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 500 7604	EG 500 7606	EG 500 7607	EG 500 7608	EG 500 7609	EG 500 7610	EG 500 7611
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Product number:	EG 500 7612	EG 500 7613	EG 500 7614	EG 500 7615	EG 500 7620	EG 500 7625	EG 500 7630
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Technical Specifications for Egant Power Tappers

Below are some typical data. For more detailed information, please contact us.

Electrical and Mechanical Specifications

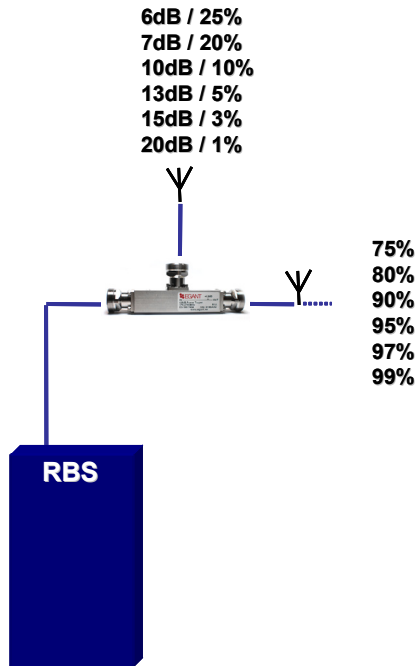
Frequency Band:	88 - 1000 MHz & 1710 - 2700 MHz 3400 - 3800MHz, 4200 - 5850MHz
Input return loss:	≥ 16.0 dB
Max input power:	500 W avg. / 3 kW peak
Impedance in/out:	50 Ohm
Dimensions (W x H x D):	145 x 60 x 40 mm
Installation support:	Brackets: EG 699 0005
3 rd order intermodulation:	
IM3, 2 x 43 dBm:	< - 110 dBm / 153 dBc

Environmental Specifications

Temp. range (normal operation):	-35 to +70° C
Humidity:	Relative 5 - 100%
Sealing: N (f)	IP65
Sealing: 7/16 (f)	IP67
Sealing: 4.3-10.0 (f)	IP67

Product number:	EG 501 3606	EG 501 3607	EG 501 3608	EG 501 3609	EG 501 3610	EG 501 3611
Coupling:						
380-5850 MHz	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10.0 dB	-11.0 dB
150-379 MHz	-7.5 dB	-8.5 dB	-10.0 dB	-11.0 dB	-12.0 dB	-12.5 dB
88-149MHz	-9.2dB	-10.4dB	-12.0dB	-13.0dB	-14.0dB	-14.5dB
Insertion loss:	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Product number:	EG 501 3612	EG 501 3613	EG 501 3614	EG 501 3615	EG 501 3620	EG 501 3630
Coupling:						
380-5850 MHz	-12.0 dB	-13.0 dB	-14.0 dB	-15.0 dB	-20.0 dB	-30.0 dB
150-379 MHz	-13.5 dB	-14.2 dB	-15.0 dB	-15.7 dB	-20.0 dB	-29.0 dB
88-149MHz	-15.3dB	-15.4dB	-16.0dB	-17.0dB	-21.0dB	-28.5dB
Insertion loss:	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB	0.05 dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)

Egant reserves the right to change this product specification at any time without notice.



Power Tappers
376 - 5850 MHz
TETRA, 800, 900, 1800, 2100,
W-LAN, 2600



Low loss design

The Egant Power Tapper is designed to tap off a portion of the signal in one direction while allowing the rest of the signal to pass through with a minimum of loss.

A power tapper is often used to tap off signals to antennas when building indoor or tunnel networks. The Egant Power Tapper comes in fourteen degrees of tapping, making it easy to choose the one that taps off the desired amount of power to the antenna.

Superior bandwidth, 376 - 5850MHz

The extremely broadbanded Egant Power Tapper is designed with ease of installation in mind. Its robust mechanical shape allows for simple attachment to a wall using clips or straps.

Installation brackets

Use the flexible mounting bracket EG 699 0005.



Technical Specifications for Egant Power Tappers

Below are some typical data. For more detailed information, please contact us.

Electrical and Mechanical Specifications

Frequency Band:	376 - 1000 & 1710 - 2700 MHz, 3500 - 4500 & 4900 - 5850 MHz
Input return loss:	≥ 17.5 dB
Insertion loss:	0.05 dB
Max input power:	500 W avg. / 3 kW peak
Impedance in/out:	50 Ohm
Dimensions (W x H x D):	145 x 60 x 26 mm
Installation support:	Brackets: EG 699 0005
3 rd order intermodulation:	
IM3, 2 x 43 dBm:	< - 117 dBm / 160 dBc

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
Humidity:	Relative 5 - 95%
Sealing: N (f)	IP65
Sealing: 7/16 (f), 4.3-10.0 (f)	IP68

Product number:	EG 501 7404	EG 501 7406	EG 501 7407	EG 501 7408	EG 501 7409	EG 501 7410	EG 501 7411
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:	EG 501 7412	EG 501 7413	EG 501 7414	EG 501 7415	EG 501 7420	EG 501 7425	EG 501 7430
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1 dB	0.1 dB	0.1 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)	7/16 (f)
Product number:	EG 501 7504	EG 501 7506	EG 501 7507	EG 501 7508	EG 501 7509	EG 501 7510	EG 501 7511
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 501 7512	EG 501 7513	EG 501 7514	EG 501 7515	EG 501 7520	EG 501 7525	EG 501 7530
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 501 7604	EG 501 7606	EG 501 7607	EG 501 7608	EG 501 7609	EG 501 7610	EG 501 7611
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Product number:	EG 501 7612	EG 501 7613	EG 501 7614	EG 501 7615	EG 501 7620	EG 501 7625	EG 501 7630
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

GPS Amplifier

Extend your GPS coverage.

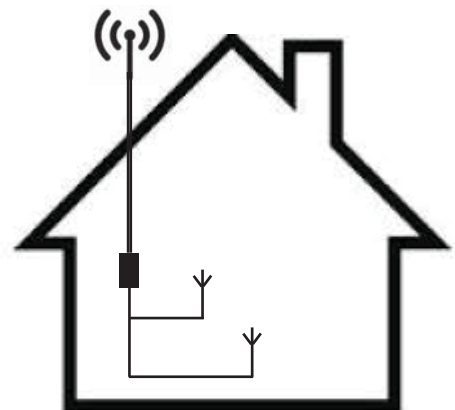
Egant GPS Amplifier gives you the possibility to extend your GPS signal into places with no GPS coverage.

The GPS Amplifier is delivered with a robust outdoor antenna connected to 1m of cable (possible to extend to 100m) or with integrated antenna.

This high power amplifier system gives you superior GPS coverage on sites where normally no GPS signal will reach.

Power direct or by antenna cable.

The amplifier is powered by an external power source. The unit has a easy selection to use power by antenna cable or by external power connected directly to the unit.

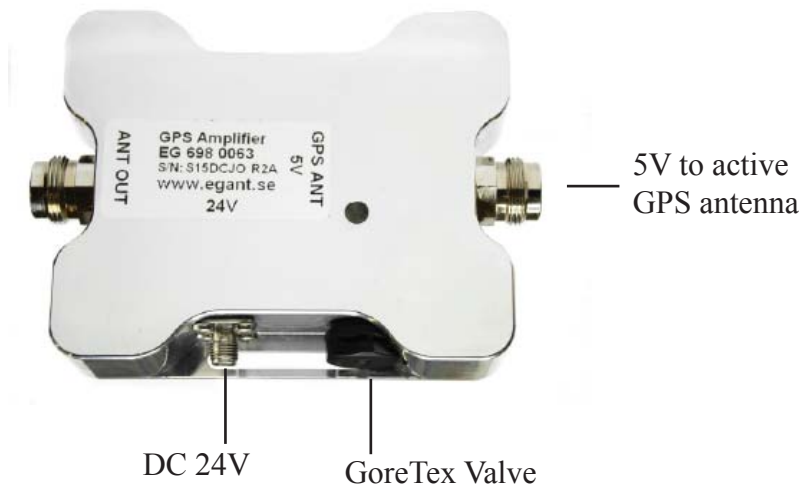


Technical Specifications for the GPS Amplifier

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 698 0060	EG 698 0061	EG 698 0062	EG 698 0063
Frequency:	1575.42±1.0MHz	1575.42±1.0MHz	1575.42±1.0MHz	1575.42±1.0MHz
Gain:	>70dB	>80dB	>90dB	>100dB
Adjustable Gain 15 steps -2dB/st	X	X	X	X
DC Input power:	24V 1A	24V 1A	24V 1A	24V 1A
Out of band rejection ± 100MHz	>70dB	>80dB	>90dB	>100dB
Mechanical Specifications				
Dimensions: (W x H x D)	115x24x80mm	115x24x80mm	115x24x80mm	115x24x80mm
Connectors RF:	N (f)	N (f)	N (f)	N (f)
Connector DC:	SMA (f)	SMA (f)	SMA (f)	SMA (f)
Weight:	0.4 Kg	0.4 Kg	0.4 Kg	0.4 Kg
Environmental Specifications				
Temp. range (normal operation):	-30 to +70° C	-30 to +70° C	-30 to +70° C	-30 to +70° C
Sealing:	IP65	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



GPS Amplifier, gain adjustment.

Adjust the GPS Amplifier gain with the Hex code switch, located underneath the GoreTex valve.

Gain Adjustment:

0: Full power

1: -2dB

2: -4dB

3: -6dB

4: -8dB

5: -10dB

6: -12dB

7: -14dB

8: -16dB

9: -18dB

A: -20dB

B: -22dB

C: -24dB

D: -26dB

E: -28dB

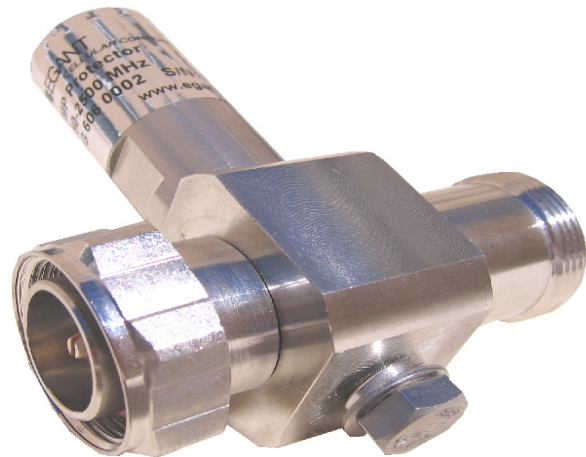
F: -30dB



Egant AB
Box 945
SE-114 79 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



EMP Protectors Quarter Wave 376 - 500 MHz



Innovative design

Egant EMP Protectors incorporate a broadband and low loss product design. They have virtually no insertion loss yet retain outstanding intermodulation performance.

State of the art performance

Installing Egant EMP Protectors safeguards your investment and virtually eliminates system down time in case of lightning.

Technical Specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0054	EG 606 0006	EG 606 0050	EG 606 0051
Passband:	376 - 500 MHz	376 - 500 MHz	376 - 500 MHz	376 - 500 MHz
Technology:	Quarter wave	Quarter wave	Quarter wave	Quarter wave
Input return loss:	> 20.0 dB	> 20.0 dB	> 20.0 dB	> 20.0 dB
Insertion loss:	< 0.35 dB	< 0.1 dB	< 0.2 dB	< 0.2 dB
Max input power:	3000 W	3000 W	3000 W	3000 W
Static sparkover voltage:				
Surge current handling:	50 kA multiple	50 kA multiple	50 kA multiple	50 kA multiple
DC Bypass:	No	No	No	No
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm

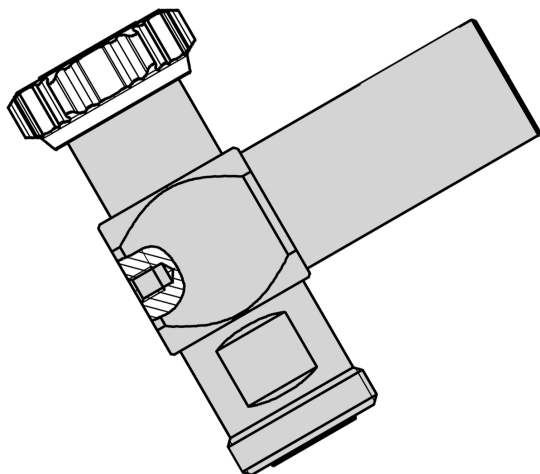
Mechanical Specifications

Dimensions (W x H x D):	81x98x36mm	81x98x36mm	81x98x36mm	81x98x36mm
Connectors:	4.3-10(m)-(f)	7/16(m)-7/16(f)	N(m)-N(f)	N(f)-N(f)
Grounding connection:	Screw M5	Screw M5	Screw M5	Screw M5

Environmental Specifications

Temp. range (normal operation):	-30 to +65° C	-30 to +65° C	-30 to +65° C	-30 to +65° C
Humidity:	Relative 5-100%	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



EMP Protectors Quarter Wave 376 - 925 MHz



Innovative design

Egant EMP Protectors incorporate a broadband and low loss product design. They have virtually no insertion loss yet retain outstanding intermodulation performance.

State of the art performance

Installing Egant EMP Protectors safeguards your investment and virtually eliminates system down time in case of lightning.

Technical Specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0068
Passband:	376 - 925 MHz
Technology:	Quarter wave
Input return loss:	
376-430MHz	> 18.0 dB, typ 25dB
713-768MHz	> 18.0 dB, typ 20dB
876-925MHz	> 17.0 dB, typ 18dB
Insertion loss:	< 0.1 dB
Max input power:	2000 W
Surge current handling:	50 kA multiple
DC Bypass:	No
Impedance in/out:	50 Ohm

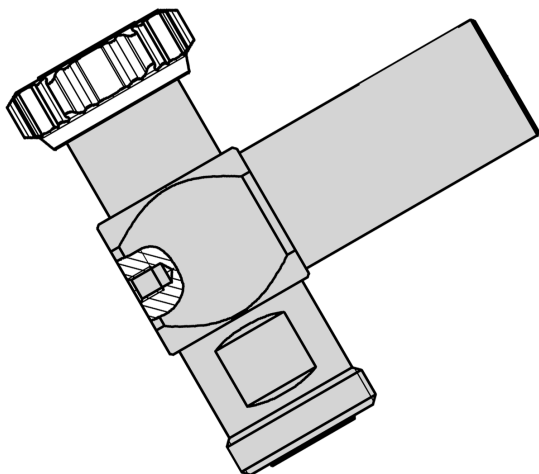
Mechanical Specifications

Dimensions (W x H x D):	76x72x25mm
Connectors:	4.3-10(m) - 4.3-10(f)
Grounding connection:	Screw M5

Environmental Specifications

Temp. range (normal operation):	-30 to +65° C
Humidity:	Relative 5-95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



EMP Protectors 150V Gas Tube
N(f) - N(f)
DC - 3GHz



Innovative design

Egant EMP Protectors incorporate a broadband and low loss product design. They have virtually no insertion loss yet retain outstanding intermodulation performance.

State of the art performance

Installing Egant EMP Protectors safeguards your investment and virtually eliminates system down time in case of lightning.

Technical Specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0067
Passband:	DC - 3.0 GHz
Technology:	Gas tube 150V

Input return loss:	> 20.0 dB
--------------------	-----------

Insertion loss:	< 0.2 dB
-----------------	----------

Max input power:	500 W
------------------	-------

Static sparkover voltage:	230V
---------------------------	------

Surge current handling:	2.5 kA
-------------------------	--------

DC Bypass:	Yes
------------	-----

Impedance in/out:	50 Ohm
-------------------	--------

Mechanical Specifications

Dimensions (W x H x D):	66.5 x 25 x 25mm
-------------------------	------------------

Connectors:	N(f) panel - N(f)
-------------	-------------------

Grounding connection:	Screw M5
-----------------------	----------

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C
---------------------------------	---------------

Humidity:	Relative 5 - 95%
-----------	------------------

Sealing:	IP65
----------	------

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Installation instructions and specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Installation

Product number: EG 606 0067
Passband: DC - 3.0 GHz
Technology: Gas tube 90 V /230V

Torque: 7 - 10 Nm
Tool: Torque wrench

Mounting

The EMP Protectors
can be installed in any
direction

Maintenance

Gas tube should be
replaced after 3 to 5
years

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Installation instructions and specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Installation

Product number: EG 606 0068
Passband: 376 - 925 MHz
Technology: Quarter wave

Torque: 5 Nm
Tool: Torque wrench

Mounting

The EMP
Protectors can be
installed in any
direction

Maintenance

No maintenance

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Installation instructions and specifications for EMP Protectors

Below are some typical data. For more detailed information, please contact us.

Installation

Product number: EG 606 0068
Passband: 376 - 925 MHz
Technology: Quarter wave

Torque: 5 Nm
Tool: Torque wrench

Mounting

The EMP
Protectors can be
installed in any
direction

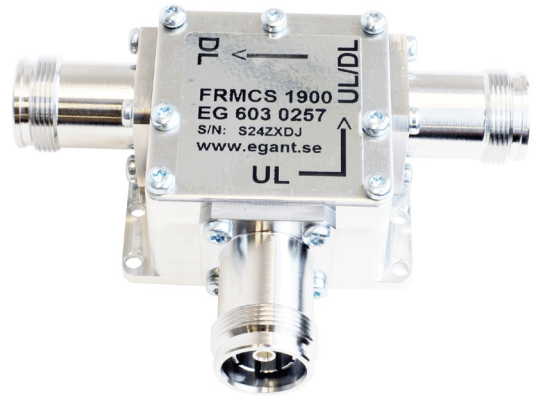
Maintenance

No maintenance

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Circulator FRMCS 1900-1920 MHz



FRMCS TDD separation

The circulator separates the uplink and down-link into different connectors.

Makes it possible to use different antennas or leaky feeders in your system.

Designed to have great isolation.

The Circulator is designed with the focus on low loss and high isolation.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Insertion loss



Technical Specifications for Circulator

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 603 0257
Passband:	1900 - 1920 MHz
Input return loss: 1900 - 1920 MHz	≥ 20 dB
Insertion loss:	≤ 0.35 dB typ 0.25 dB
Max input power/port:	60 W
Isolation between ports: Uplink - Downlink	≥ 20 dB, typ 24 dB
Impedance in/out:	50 Ohm

Mechanical Specifications

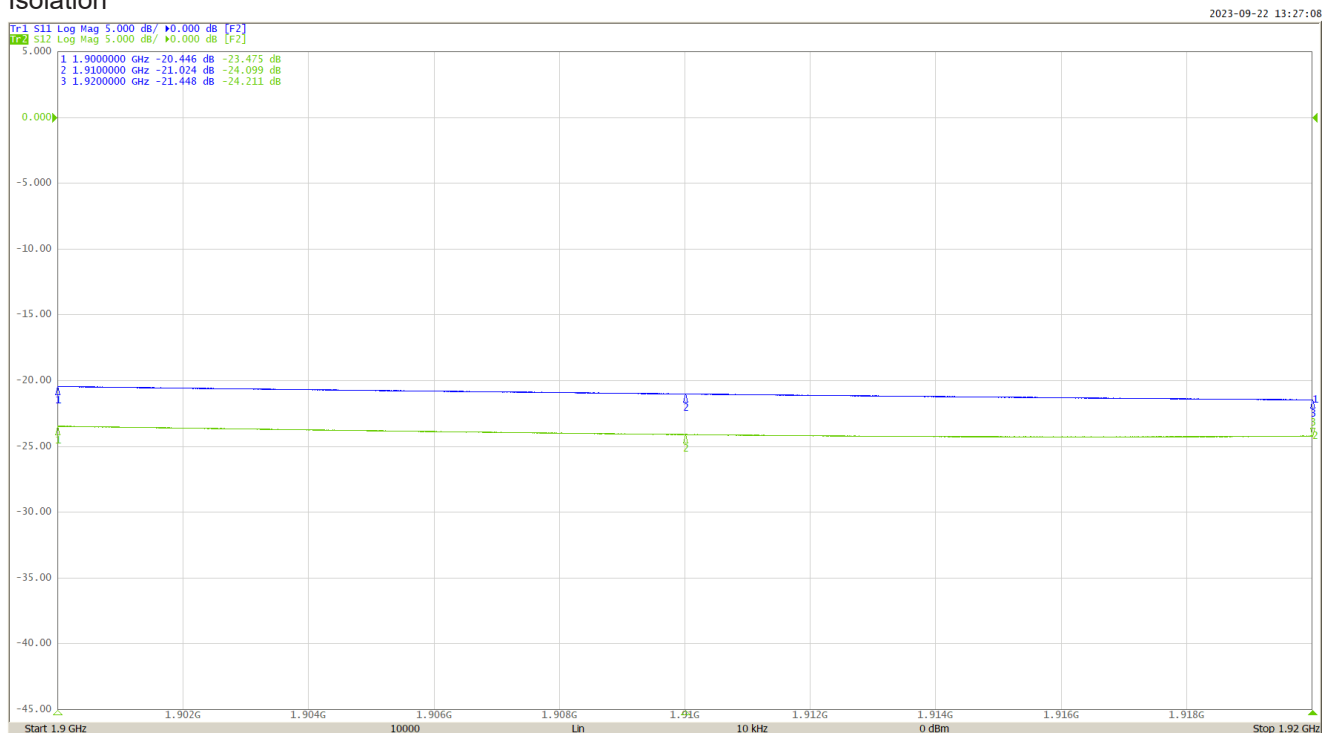
Dimensions (W x H x D):	88 x 67 x 30 mm
Connectors:	4.3-10 (f)
Weight:	0.3 kg

Environmental Specifications

Temp. range (normal operation):	-5 to +65°C
Sealing:	Indoor

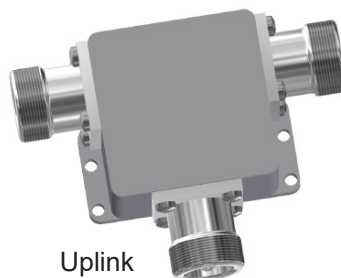
Egant reserves the right to change this product specification
at any time without notice.

Isolation



Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Downlink



TDD Station

Uplink

Made in Sweden



DC Block 3 kV Broadband

376 - 2700 MHz

TETRA, 700, 800, 900, 1800, 2100, 2600



Protect your equipment

The robust Egant DC Block prevents voltage and current from harming your radio equipment. The DC Block circuit uses a capacitor which prevents DC current flow while permitting RF power to flow through the DC Block.



Technical Specifications for the DC Block 376 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0034	EG 606 0052
Passband:	376 - 2700 MHz	376 - 2700 MHz
Insertion loss:		
376 - 2700 MHz:	≤ 0.3 dB, typ 0,1dB	≤ 0.3 dB, typ 0,1dB
Input Return Loss:		
376 - 2700 MHz:	17.5 dB	17.5 dB
Power Rating:		
RF Power:	500 W avg. 5 kW pk	500 W avg. 5 kW pk
3rd order intermodulation:		
IM3, 2 x 43dBm:	<-117dBm (160dBc)	<-117dBm (160dBc)
DC Voltage:	3 kV max	3 kV max
Impedance in/out:	50 Ohm	50 Ohm

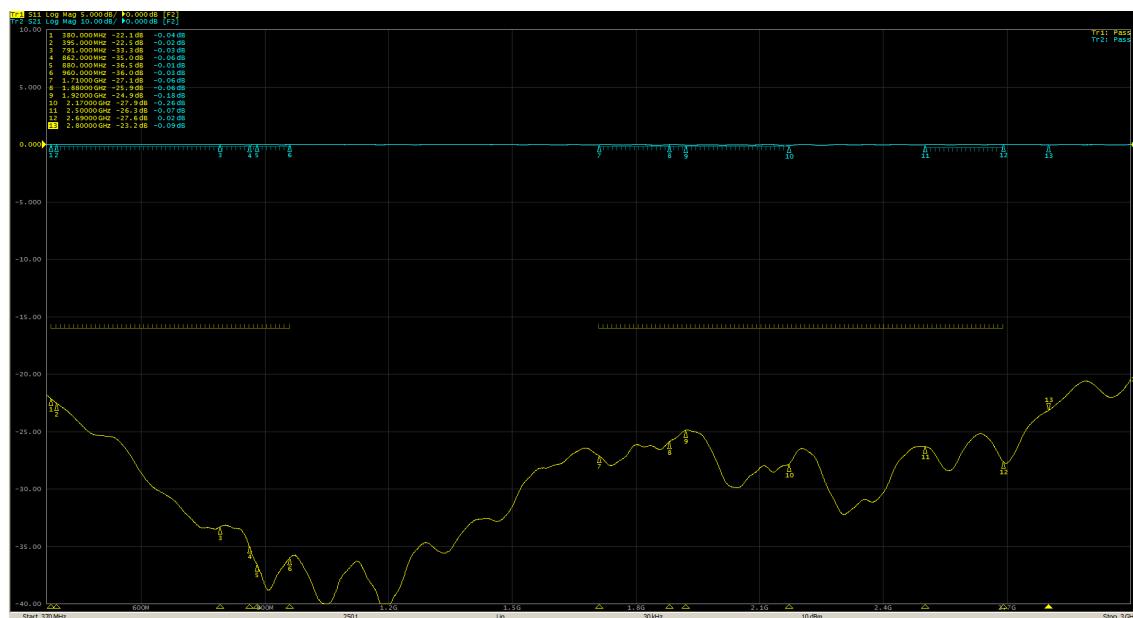
Mechanical Specifications

Dimensions (W x H x D):	79 x 32 x 32 mm	79 x 32 x 32 mm
Connectors:	7/16(m) - 7/16(f)	4.3-10(m) - 4.3-10(f)
Weight:	0.3 Kg	0.3 Kg

Environmental Specifications

Temp. range (normal operation):	-25 to +60°C	-25 to +60°C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP68	IP67

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-120 51 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
www.egant.se



DC/DC Block Inner/Outer 4 kV 376 - 2700 MHz



Inner/Inner and Outer/Outer

Both inner and outer conductors are isolated to prevent direct current damaging your equipment, whilst the RF signals pass unaffected in the passband.

Protect your equipment

The DC-DC Block prevents voltage and current from damaging your radio equipment. Unwanted voltage and current are often located in equipment installed in railroad tunnels. Using DC Blocks is the most effective way to protect your equipment.



Technical Specifications for the DC-DC Block 376 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0070
Passband:	376 - 2700MHz
Insertion loss:	≤ 0.3 dB, typ 0,05dB
Input Return Loss:	≥ 16.0 dB, typ 24dB
Power Rating:	
RF Power:	300 W avg. 10 kW pk
3rd order intermodulation:	
IM3, 2 x 43 dBm:	< -110 dBm (153 dBc)
DC Voltage Isolation:	
Inner/Inner:	4kV max
Outer/Outer:	4kV max
Impedance in/out:	50 Ohm

Mechanical Specifications

Dimensions (W x H x D):	140 x 51 x 51 mm
Connectors:	4.3-10(m) - 4.3-10 (f)
Weight:	0.4 Kg

Environmental Specifications

Temp. range (normal operation):	-25 to +65° C
Humidity:	Relative 5 - 95%
Sealing:	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA

Installation instruction for DC-DC Block 376 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Installation

Product number:	EG 606 0070
Torque:	5 Nm
Tool:	Torque wrench

Mounting

The DC-DC Block can be installed in any direction

Maintenance

No maintenance

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



DC/DC Block Inner/Outer 5 kV 376 - 3850 MHz



Protect your equipment

The DC-DC Block prevents voltage and current from damaging your radio equipment. Unwanted voltage and current are often located in equipment installed in railroad tunnels. Using DC Blocks is the most effective way to protect your equipment.

Inner/Inner and Outer/Outer

Both inner and outer conductors are isolated to prevent direct current damaging your equipment, whilst the RF signals pass unaffected in the passband.



Technical Specifications for the DC-DC Block 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 606 0063	EG 606 0064
Passband:	376 - 3850 MHz	376 - 3850 MHz
Insertion loss:	≤ 0.3 dB, typ 0.15dB	≤ 0.3 dB, typ 0.15dB
Input Return Loss:	≥ 16 dB, typ 23dB	≥ 16 dB, typ 23dB
Power Rating:		
RF Power:	300 W avg. 10 kW pk	300 W avg. 10 kW pk
3rd order intermodulation:		
IM3, 2 x 43 dBm:	<-110 dBm (153 dBc)	<-110 dBm (153 dBc)
DC Voltage Isolation:		
Inner/Inner:	5 kV max	5 kV max
Outer/Outer:	5 kV max	5 kV max
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	130 x 40 x 40 mm	130 x 40 x 40 mm
Connectors:	7/16 (m) - 7/16 (f)	4.3-10.0 (m) - 4.3-10.0 (f)
Weight:	0.45 Kg	0.45 Kg
Environmental Specifications		
Temp. range (normal operation):	-25 to +65° C	-25 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.seg

Made in Sweden

RevA

Installation instruction for DC-DC Block 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Installation

Product number:	EG 606 0063	EG 606 0064
Torque:	25 - 30 Nm	5 Nm
Tool:	Torque wrench	Torque wrench

Mounting

The DC-DC Block can be installed in any direction	The DC-DC Block can be installed in any direction
---	---

Maintenance

No maintenance	No maintenance
----------------	----------------

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



**DC/DC Block Inner/Outer 17,5 kV
376 - 2700 MHz**



Protect your equipment

The DC-DC Block prevents voltage and current from damaging your radio equipment. Unwanted voltage and current are often located in equipment installed in railroad tunnels. Using DC Blocks is the most effective way to protect your equipment.

Inner/Inner and Outer/Outer

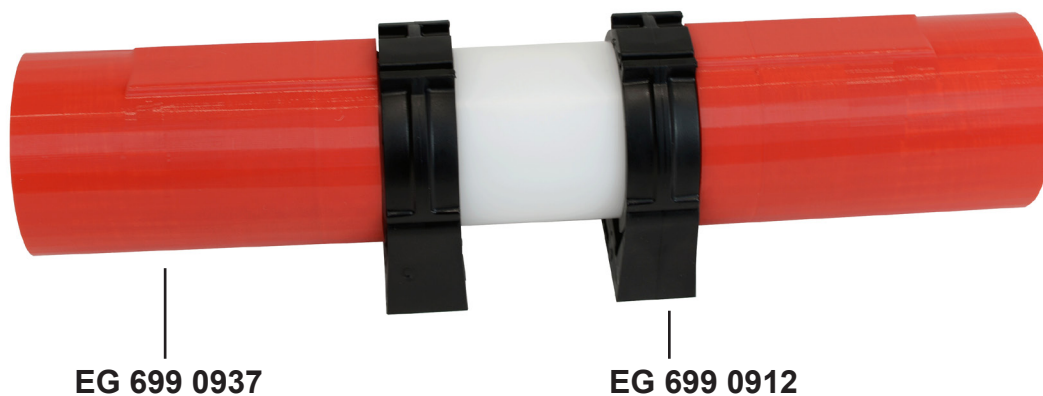
Both inner and outer conductors are isolated to prevent direct current damaging your equipment, whilst the RF signals pass unaffected in the passband.



Technical Specifications for the DC-DC Block 376 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 606 0031	EG 606 0040
Passband:	376 - 2700MHz	376 - 2700MHz
Insertion loss:		
376 - 2600 MHz:	≤ 0.3 dB, typ 0.15dB	≤ 0.3 dB, typ 0.15dB
2600 - 2700 MHz:	≤ 0.5 dB, typ 0,25dB	≤ 0.5 dB, typ 0,25dB
Input Return Loss:	≥ 16 dB, typ 23dB	≥ 16 dB, typ 23dB
Power Rating:		
RF Power:	300 W avg. 10 kW pk	300 W avg. 10 kW pk
3rd order intermodulation:		
IM3, 2 x 43 dBm:	<-110 dBm (153 dBc)	<-110 dBm (153 dBc)
DC Voltage Isolation:		
Inner/Inner:	17.5 kV max	17.5 kV max
Outer/Outer:	17.5 kV max	17.5 kV max
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	162 x 48 x 48 mm	162 x 48 x 48 mm
Connectors:	7/16 (m) - 7/16 (f)	4.3-10.0 (m) - 4.3-10.0 (f)
Weight:	0.9 Kg	0.9 Kg
Environmental Specifications		
Temp. range (normal operation):	-25 to +65° C	-25 to +65° C
Humidity:	Relative 5 - 65%	Relative 5 - 65%
Sealing:	IP65	IP65
Installation support		
Cable Clamp:	EG 699 0912	PA6-VO
DC-DC Block Protector:	EG 699 0937	PETG



Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.seg

Made in Sweden

RevK

Installation instruction for DC-DC Block 376 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Installation

Product number:

EG 606 0031

EG 606 0040

Torque:

25 - 30 Nm

5 - 15 Nm

Tool:

Torque wrench

Torque wrench

Mounting

The DC-DC Block can be installed in any direction

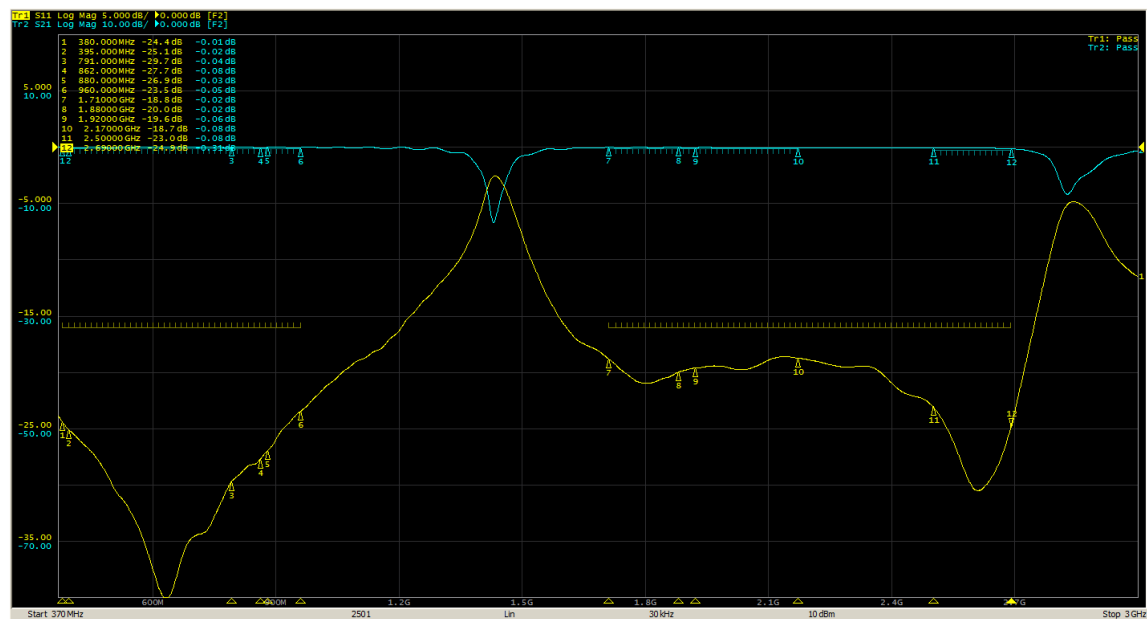
The DC-DC Block can be installed in any direction

Maintenance

No maintenance

No maintenance

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevK



DC/DC Block Inner/Outer 17,5 kV 88 - 2700 MHz

Protect your equipment

The DC-DC Block prevents voltage and current from damaging your radio equipment. Unwanted voltage and current are often located in equipment installed in railroad tunnels. Using DC Blocks is the most effective way to protect your equipment.

Inner/Inner and Outer/Outer

Both inner and outer conductors are isolated to prevent direct current damaging your equipment, whilst the RF signals pass unaffected in the passband.



Technical Specifications for the DC-DC Block 88 - 2700 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	EG 606 0028	EG 606 0053
Passband:	88 - 2700MHz	88 - 2700MHz
Insertion loss:		
88 - 376 MHz:	≤ 1.0 dB, typ 0,7dB	≤ 1.0 dB, typ 0,7dB
376 - 2600 MHz:	≤ 0.3 dB, typ 0,1dB	≤ 0.3 dB, typ 0,1dB
2600 - 2700 MHz:	≤ 0.8 dB, typ 0,4dB	≤ 0.8 dB, typ 0,4dB
Input Return Loss:		
88 - 108 MHz:	≥ 7.5 dB	≥ 7.5 dB
174 MHz	≥ 13 dB	≥ 13 dB
240 MHz	≥ 16 dB	≥ 16 dB
376 - 2700 MHz:	≥ 18 dB	≥ 18 dB
Power Rating:		
RF Power:	300 W avg. 10 kW pk	300 W avg. 10 kW pk
DC Voltage Isolation:		
Inner/Inner:	17,5 kV max	17,5 kV max
Outer/Outer:	17,5kV max	17,5kV max
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	162 x 51 x 51 mm	162 x 51 x 51 mm
Connectors:	7/16 (m) - 7/16 (f)	4.3-10(m) - 4.3-10(f)
Weight:	0.9 Kg	0.9 Kg
Environmental Specifications		
Temp. range (normal operation):	-25 to +65° C	-25 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP67	IP67

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



DC/DC Block Inner/Outer 17,5 kV 376 - 3850 MHz



Protect your equipment

The DC-DC Block prevents voltage and current from damaging your radio equipment. Unwanted voltage and current are often located in equipment installed in railroad tunnels. Using DC Blocks is the most effective way to protect your equipment.

Inner/Inner and Outer/Outer

Both inner and outer conductors are isolated to prevent direct current damaging your equipment, whilst the RF signals pass unaffected in the passband.



Technical Specifications for the DC-DC Block 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 606 0043	EG 606 0044
Passband:	376 - 3850MHz	376 - 3850MHz
Insertion loss:		
376 - 2600 MHz:	≤ 0.3 dB, typ 0.15dB	≤ 0.3 dB, typ 0.15dB
2600 - 2700 MHz:	≤ 0.5 dB, typ 0,25dB	≤ 0.5 dB, typ 0,25dB
3500 - 3850 MHz:	≤ 0.5 dB, typ 0,25dB	≤ 0.5 dB, typ 0,25dB
Input Return Loss:		
376 - 2700 MHz	≥ 16 dB, typ 23dB	≥ 16 dB, typ 23dB
3500 3850 MHz	≥ 13 dB, typ 15dB	≥ 13 dB, typ 15dB
Power Rating:		
RF Power:	300 W avg. 10 kW pk	300 W avg. 10 kW pk
3rd order intermodulation:		
IM3, 2 x 43 dBm:	<-110 dBm (153 dBc)	<-110 dBm (153 dBc)
DC Voltage Isolation:		
Inner/Inner:	17.5 kV max	17.5 kV max
Outer/Outer:	17.5 kV max	17.5 kV max
Impedance in/out:	50 Ohm	50 Ohm

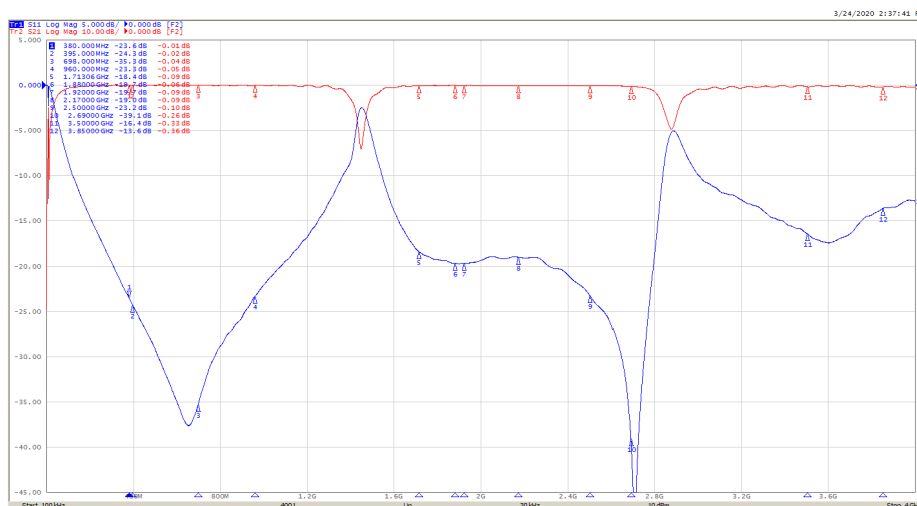
Mechanical Specifications

Dimensions (W x H x D):	162 x 48 x 48 mm	162 x 48 x 48 mm
Connectors:	7/16 (m) - 7/16 (f)	4.3-10.0 (m) - 4.3-10.0 (f)
Weight:	0.9 Kg	0.9 Kg

Environmental Specifications

Temp. range (normal operation):	-20 to +60° C	-20 to +60° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-10251 Stockholm
 Sweden
 Phone: +46 (0)8 62 00 650
 E-mail: info@egant.se
 www.egant.seg



Installation instruction for DC-DC Block 376 - 3850 MHz

Below are some typical data. For more detailed information, please contact us.

Installation		
Product number:	EG 606 0043	EG 606 0044
Torque:	25 - 30 Nm	5 Nm
Tool:	Torque wrench	Torque wrench
Mounting		
	The DC-DC Block can be installed in any direction	The DC-DC Block can be installed in any direction
Maintenance		
	No maintenance	No maintenance

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



DC Injectors

170 - 500 / 1575 - 1576 MHz



Inject DC to your RF-cable

The robust Egant DC Block gives you the possibility to inject DC current into a coaxial cable. Mixing the DC and RF signals. Making it possible for you to use the coaxial cable to feed power to remote units.



Technical Specifications for the DC-Injectors

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications		
Product number:	DC-Injector EG 607 0444	DC-Injector EG 607 0445
Passband:	170 - 500 / 1575 - 1576 MHz	170 - 500 / 1575 - 1576 MHz
Insertion loss: 376 - 2700 MHz:	≤ 0.8 dB (0,4 typ)	≤ 0.8 dB (0,4 typ)
Input Return Loss: 376 - 2700 MHz:	≥ 16.0 dB	≥ 16.0 dB
Power Rating: RF Power:	20 W	20 W
DC Voltage:	48 V max	48 V max
DC Current:	1.5A max	1.5A max
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	45 x 40 x 40 mm	45 x 40 x 40 mm
Connectors:		
RF	7/16(m)	7/16(f)
RF + DC	7/16(f)	7/16(m)
DC	SMA (f)	SMA (f)
Weight:	0.3 Kg	0.3 Kg
Environmental Specifications		
Temp. range (normal operation):	-20 to +65°C	-20 to +65°C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



DC Injectors

376 - 2700 MHz

**VHF, TETRA, 700, 800, 900, 1800,
2100, 2600MHz**



Inject DC to your RF-cable

The robust Egant DC Block gives you the possibility to inject DC current into a coaxial cable. Mixing the DC and RF signals. Making it possible for you to use the coaxial cable to feed power to remote units.



Technical Specifications for the DC Block/ DC-Injectors

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications	DC-Injector	DC-Injector	DC-Injector
Product number:	EG 607 0374	EG 607 0375	EG 607 0376
Passband:	376- 2700 MHz	376- 2700 MHz	376- 2700 MHz
Insertion loss:			
376 - 2700 MHz:	≤ 0.8 dB (0,4 typ)	≤ 0.8 dB (0,4 typ)	≤ 0.8 dB (0,4 typ)
Input Return Loss:			
376 - 2700 MHz:	≥ 16.0 dB	≥ 16.0 dB	≥ 16.0 dB
Power Rating:			
RF Power:	20 W	20 W	20 W
DC Voltage:	48 V max	48 V max	48 V max
DC Current:	1.5A max	1.5A max	1.5A max
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Electrical Specifications	DC-Injector	DC-Injector	DC-Injector
Product number:	EG 607 0377	EG 607 0378	EG 607 0379
Passband:	170-960 / 1710-2700 MHz	170-960 / 1710-2700 MHz	170-960 / 1710-2700 MHz
Insertion loss:			
170 - 960 MHz:	≤ 0.4 dB (0,2 typ)	≤ 0.4 dB (0,2 typ)	≤ 0.4 dB (0,2 typ)
1710 - 2700 MHz	≤ 0.8 dB (0,4 typ)	≤ 0.8 dB (0,4 typ)	≤ 0.8 dB (0,4 typ)
Input Return Loss:			
170 - 250 MHz:	≥ 10.0 dB	≥ 10.0 dB	≥ 10.0 dB
250 - 960MHz:	≥ 16.0 dB	≥ 16.0 dB	≥ 16.0 dB
1710 - 2700 MHz	≥ 16.0 dB	≥ 16.0 dB	≥ 16.0 dB
Power Rating:			
RF Power:	20 W	20 W	20W
DC Voltage:	48 V max	48 V max	48 V max
DC Current:	1.5A max	1.5A max	1.5A max
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	45 x 40 x 40 mm	45 x 40 x 40 mm	45 x 40 x 40 mm
Connectors:			
RF	4.3-10(f) - 4.3-10(f)	N(f) - N(f)	7/16(f) - 7/16(f)
RF + DC	4.3-10(f) - 4.3-10(f)	N(f) - N(f)	7/16(f) - 7/16(f)
DC	SMA (f)	SMA (f)	SMA(f)
Weight:	0.3 Kg	0.3 Kg	0.3 Kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +65°C	-20 to +65°C	-20 to +65°C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 270 65
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



Attenuators DC - 4.0GHz
3dB, 6dB, 10dB, 15dB, 20dB, 30dB
N(m) - N(f), 5W



Highly versatile implementation

The attenuators are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Attenuators

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0455	EG 607 0456	EG 607 0457	EG 607 0458
Frequency band:	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz
Attenuation:	3 dB	6 dB	10 dB	15 dB
Input return loss:	> 18 dB	> 18 dB	> 18 dB	> 18 dB
Max input power:	5 W	5 W	5 W	5 W
Environmental Specifications				
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65	IP65
Mechanical Specifications				
Dimensions (W x H x D):	70 x 20 x 20 mm	70 x 20 x 20 mm	70 x 20 x 20 mm	70 x 20 x 20 mm
Connectors:	N(m) - N(f)	N(m) - N(f)	N(m) - N(f)	N(m) - N(f)
Electrical Specifications				
Product number:	EG 607 0459	EG 607 0460		
Frequency band:	DC - 4.0GHz	DC - 4.0GHz		
Attenuation:	20 dB	30 dB		
Input return loss:	> 18 dB	> 18 dB		
Max input power:	5 W	5 W		
Environmental Specifications				
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C		
Humidity:	Relative 5 - 100%	Relative 5 - 100%		
Sealing:	IP65	IP65		
Mechanical Specifications				
Dimensions (W x H x D):	70 x 20 x 20 mm	70 x 20 x 20 mm		
Connectors:	N(m) - N(f)	N(m) - N(f)		

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA



**Attenuators DC - 4.0GHz
4.3-10(m) - 4.3-10(f), 5W**



Highly versatile implementation

The attenuators are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Attenuators

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 607 0461	EG 607 0462	EG 607 0463	EG 607 0464
Frequency band:	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz
Attenuation:	3 dB	6 dB	10 dB	15 dB
Input return loss:	> 18 dB	> 18 dB	> 18 dB	> 18 dB

Max input power:	5 W	5 W	5 W	5 W
------------------	-----	-----	-----	-----

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65	IP65

Mechanical Specifications

Dimensions (W x H x D):	70 x 30 x 30 mm	70 x 30 x 30 mm	70 x 30 x 30 mm	70 x 30 x 30 mm
Connectors:	4.3-10(m) - (f)	4.3-10(m) - (f)	4.3-10(m) - (f)	4.3-10(m) - (f)

Electrical Specifications

Product number:	EG 607 0465	EG 607 0466
Frequency band:	DC - 4.0GHz	DC - 4.0GHz
Attenuation:	20 dB	30 dB
Input return loss:	> 18 dB	> 18 dB

Max input power:	5 W	5 W
------------------	-----	-----

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65

Mechanical Specifications

Dimensions (W x H x D):	70 x 30 x 30 mm	70 x 30 x 30 mm
Connectors:	4.3-10(m) - (f)	4.3-10(m) - (f)

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Attenuators DC - 4.0GHz N(m) - N(f), 10W



Highly versatile implementation

The attenuators are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Attenuators

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Product number:	EG 607 0452	EG 607 0453	EG 607 0448	EG 607 0449
Frequency band:	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz	DC - 4.0GHz
Attenuation:	3 dB	6 dB	10 dB	15 dB
Input return loss:	> 18 dB	> 18 dB	> 18 dB	> 18 dB

Max input power:	10 W	10 W	10 W	10 W
------------------	------	------	------	------

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor	Indoor	Indoor

Mechanical Specifications

Dimensions (W x H x D):	80 x 35 x 35 mm	80 x 35 x 35 mm	80 x 35 x 35 mm	80 x 35 x 35 mm
Connectors:	N(m) - N(f)	N(m) - N(f)	N(m) - N(f)	N(m) - N(f)

Electrical Specifications

Product number:	EG 607 0450	EG 607 0451
Frequency band:	DC - 4.0GHz	DC - 4.0GHz
Attenuation:	20 dB	30 dB
Input return loss:	> 18 dB	> 18 dB

Max input power:	10 W	10 W
------------------	------	------

Environmental Specifications

Temp. range (normal operation):	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor

Mechanical Specifications

Dimensions (W x H x D):	80 x 35 x 35 mm	80 x 35 x 35 mm
Connectors:	N(m) - N(f)	N(m) - N(f)

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



**Attenuators 376-3850MHz, 60W
5dB, 10dB, 15dB, 20dB
Low Intermodulation, -153dBc**

Highly versatile implementation

The attenuators are electrically and mechanically designed to be used for indoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Attenuators

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0409	EG 607 0410	EG 607 0411	EG 607 0412
Frequency band:	698 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Attenuation: 376 - 3850MHz	5 dB, +/- 1.2dB	10 dB, +/- 1.2dB	15 dB, +/- 1.2dB	20 dB, +/- 1.2dB
Input return loss:	> 18 dB, typ 25dB	> 18 dB, typ 25dB	> 18 dB, typ 25dB	> 18 dB, typ 25dB
3rd order intermodulation: IM3, 2 x 43dBm	< -110dBm, 153dBc	<-110dBm,153dBc	<110dBm,153dBc	<110dBm, 153dBc
Max input power:	60 W	60 W	60 W	60 W
Mechanical Specifications				
Dimensions (W x H x D):	375 x 150 x 52mm	375 x 150 x 52mm	375 x 150 x 52mm	375 x 150 x 52mm
Connectors:	4.3-10(f) - (f)	4.3-10(f) - (f)	4.3-10(f) - (f)	4.3-10(f) - (f)
Weight	2.8 Kg	2.8 Kg	2.8 Kg	2.8 Kg
Environmental Specifications				
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor	Indoor	Indoor

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevC



**Attenuators 376-3850MHz, 100W
5dB, 10dB, 15dB, 20dB
Low Intermodulation, -153dBc**

Highly versatile implementation

The attenuators are electrically and mechanically designed to be used for indoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Attenuators

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0351	EG 607 0352	EG 607 0353	EG 607 0354
Frequency band:	698 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Attenuation: 376 - 3850MHz	5 dB, +/- 1.2dB	10 dB, +/- 1.2dB	15 dB, +/- 1.2dB	20 dB, +/- 1.2dB
Input return loss:	> 18 dB, typ 25dB	> 18 dB, typ 25dB	> 18 dB, typ 25dB	> 18 dB, typ 25dB
3rd order intermodulation: IM3, 2 x 43dBm	< -110dBm, 153dBc	<-110dBm,153dBc	<110dBm,153dBc	<110dBm, 153dBc
Max input power:	100 W	100 W	100 W	100 W
Mechanical Specifications				
Dimensions (W x H x D):	402 x 150 x 52mm	402 x 150 x 52mm	402 x 150 x 52mm	402 x 150 x 52mm
Connectors:	4.3-10(f) - (f)	4.3-10(f) - (f)	4.3-10(f) - (f)	4.3-10(f) - (f)
Weight	3.2 Kg	3.2 Kg	3.2 Kg	3.2 Kg
Environmental Specifications				
Temp. range (normal operation):	-20 to +55° C	-20 to +55° C	-20 to +55° C	-20 to +55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor	Indoor	Indoor	Indoor

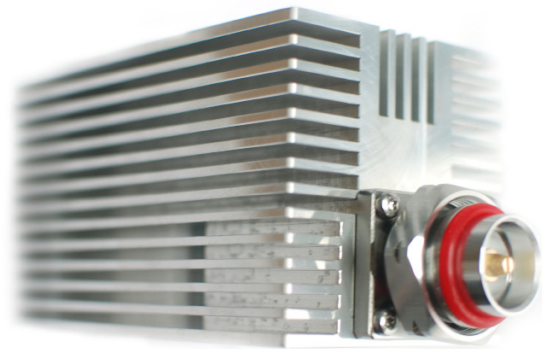
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden



Terminations

DC - 3850 MHz



High performance load

In order to get maximum performance from our products, use the Egant high performance loads when terminating ports.

They are available with standard connectors, such as 7/16 male, N male or 4.3-10 male.

Broadband, DC- 3850 MHz

The terminations are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Terminations 1 W - 100W

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Frequency band:	DC - 3850 MHz
Input return loss:	18dB, typ 25dB
Impedance in/out:	50 Ohm

Environmental Specifications

Temp. range (normal operation):	-20 to + 65° C
Humidity:	Relative 5 - 95%
Sealing:	IP65

N(m)

	Product number:	Dimensions:	Weight:
1 W	EG 607 0417	20 x 52 x 20 mm	0.1 Kg
5 W	EG 607 0418	24 x 38 x 24 mm	0.1 Kg
10 W	EG 607 0419	24 x 40 x 24 mm	0.2 Kg
20 W	EG 607 0420	38 x 80 x 38 mm	0.3 Kg
30 W	EG 607 0421	38 x 80 x 38 mm	0.3 Kg
60 W	EG 607 0422	140 x 70 x 40 mm	0.8 Kg
100 W	EG 607 0423	140 x 70 x 40 mm	0.8 Kg

7/16(m)

	Product number:	Dimensions:	Weight:
1 W	EG 607 0424	33 x 40 x 33 mm	0.1 Kg
5 W	EG 607 0425	33 x 47 x 33 mm	0.1 Kg
10 W	EG 607 0426	33 x 50 x 33 mm	0.2 Kg
20 W	EG 607 0427	38 x 80 x 38 mm	0.3 Kg
30 W	EG 607 0428	38 x 80 x 38 mm	0.3 Kg
60 W	EG 607 0429	140 x 70 x 40 mm	0.8 Kg
100 W	EG 607 0430	140 x 70 x 40 mm	0.8 Kg

4.3-10.0(m)

	Product number:	Dimensions:	Weight:
1 W	EG 607 0431	33 x 40 x 33 mm	0.1 Kg
5 W	EG 607 0432	33 x 47 x 33 mm	0.1 Kg
10 W	EG 607 0433	33 x 50 x 33 mm	0.2 Kg
20 W	EG 607 0434	38 x 80 x 38 mm	0.3 Kg
30 W	EG 607 0435	38 x 80 x 38 mm	0.3 Kg
60 W	EG 607 0436	140 x 70 x 40 mm	0.8 Kg
100 W	EG 607 0437	140 x 70 x 40 mm	0.8 Kg

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-10251 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
Fax: +46 (0)70 386 53 53
E-mail: info@egant.se
www.egant.se



Cable Load 5W - 40W
Intermodulation -165dBc
88 - 3800 MHz, 4.3-10.0
Indoor



High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremely low Intermodulation figures, when terminating ports.

Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 5W - 40W

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0319	EG 607 0320	EG 607 0321	EG 607 0322
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700 -3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	5 W	10 W	20 W	40 W
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg
Electrical Specifications				
Product number:	EG 607 0323	EG 607 0324	EG 607 0325	EG 607 0326
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700-3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	5 W	10 W	20 W	40 W
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg
Environmental Specifications				
Sealing:	Indoor	Indoor	Indoor	Indoor

Egant reserves the right to change this product specification at any time without notice.

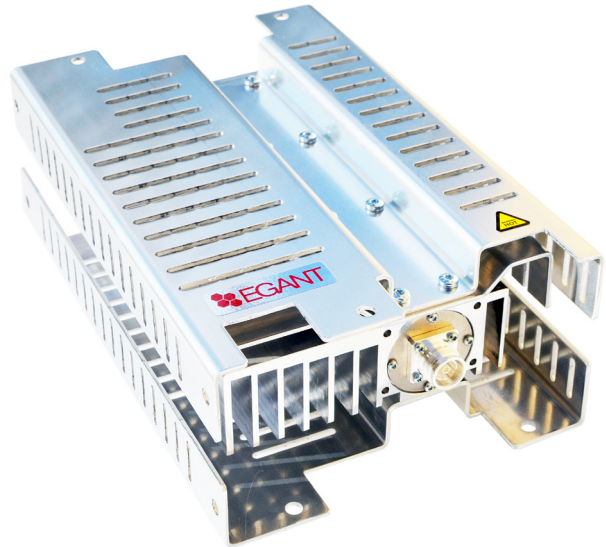
Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevC



Cable Load 60W - 200W
Intermodulation -165dBc
88 - 3800 MHz, 4.3-10.0(f)



High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremely low Intermodulation figures, when terminating ports.

Intermodulation, -165dBc

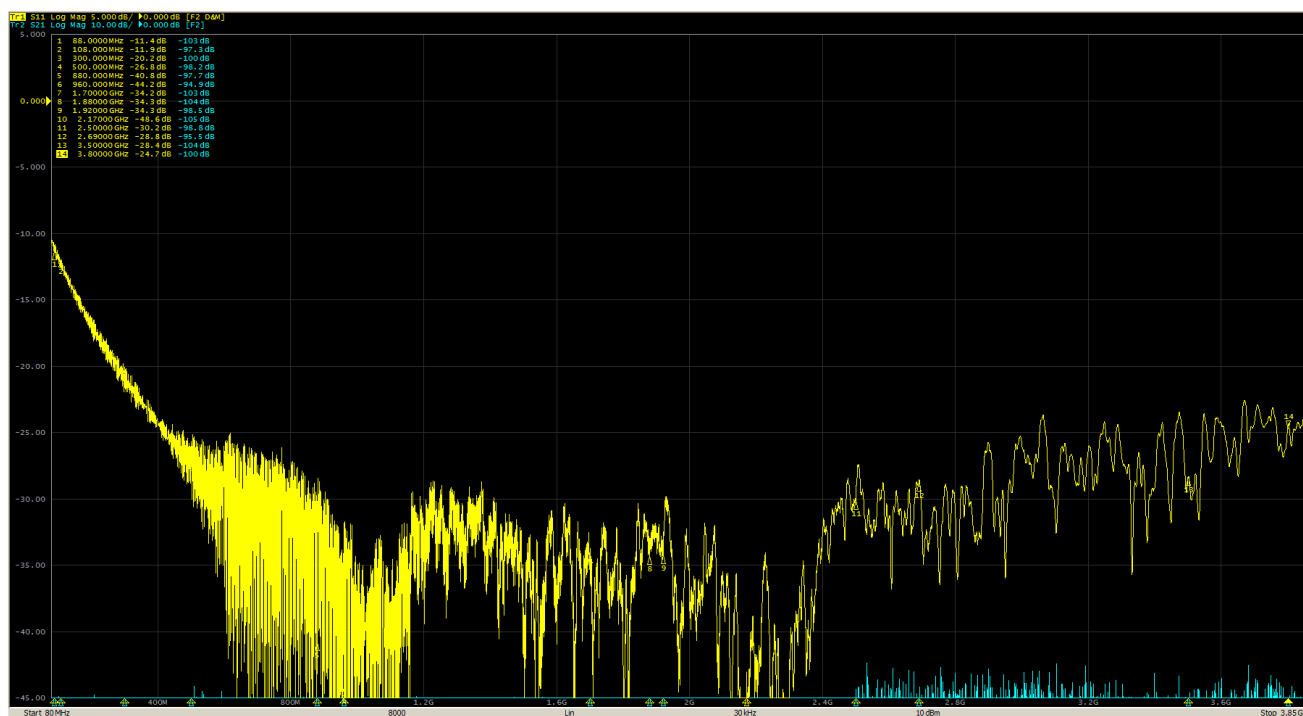
The cable loads are electrically and mechanically designed to be used for indoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 60W - 200W

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0327	EG 607 0328	EG 607 0329	EG 607 0330
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	10dB, typ 12dB	10dB, typ 12dB	10dB, typ 12dB	10dB, typ 12dB
300-500MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
500-2700MHz	25dB, typ 30dB	25dB, typ 30dB	25dB, typ 30dB	25dB, typ 30dB
2700 -3800MHz	23dB, typ 25dB	23dB, typ 25dB	23dB, typ 25dB	23dB, typ 25dB
Power Rating:	60 W	100 W	150 W	200 W
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D) mm:	200 x 150 x 50	250 x 100 x 140	300 x 100 x 140	300 x 100 x 160
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	1,8 Kg	2.8 Kg	3.5 Kg	3,8 Kg

Egant reserves the right to change this product specification at any time without notice.



Egant AB
 Box 27065
 SE-102 51 Stockholm
 Sweden
 Phone: +46 (0)8 620 06 50
 E-mail: info@egant.se
www.egant.se

Made in Sweden

RevD



Cable Load 5W - 40W
Intermodulation -165dBc
88 - 3800 MHz, 4.3-10.0
IP67



High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremley low Intemodulation figures, when terminating ports.

Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 5W - 40W

Below are some typical data. For more detailed information, please contact us.

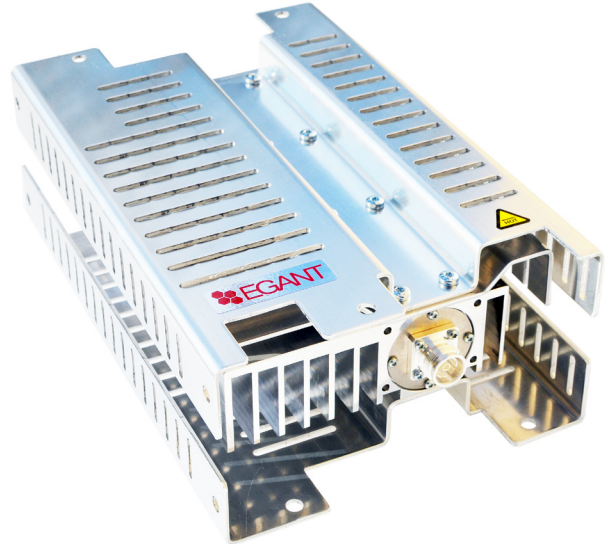
Electrical Specifications				
Product number:	EG 607 0307	EG 607 0308	EG 607 0309	EG 607 0310
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700 -3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	5 W	10 W	20 W	40 W
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg
Electrical Specifications				
Product number:	EG 607 0311	EG 607 0312	EG 607 0313	EG 607 0314
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700-3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	5 W	10 W	20 W	40 W
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg
Environmental Specifications				
Temp. range (normal operat.):	-20 to + 40° C	-20 to + 40° C	-20 to + 40° C	-20 to + 40° C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67	IP67	IP67

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se



Cable Load 60W - 200W
Intermodulation -165dBc
88 - 3850 MHz, 4.3-10.0(f)



High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremely low Intermodulation figures, when terminating ports.

Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 60W - 200W

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications				
Product number:	EG 607 0399	EG 607 0401	EG 607 0403	EG 607 0404
Frequency band:	88 - 3850 MHz	88 - 3850 MHz	88 - 3850 MHz	88 - 3850 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700 -3850MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	60 W	100 W	150 W	200 W
Max input power:				
3rd order intermodulation: IM3, 2 x 43 dBm:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D) mm:	200 x 100 x 100	240 x 100 x 140	300 x 100 x 140	300 x 100 x 160
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)
Weight:	2,4 Kg	2.8 Kg	3.8 Kg	5,4 Kg
Environmental Specifications				
Temp. range (normal operat.):	-20 to + 55° C	-20 to + 55° C	-20 to + 55° C	-20 to + 55° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB



**Jumper Cable
Sucoform RG 402
Length and connector types
are optional**



SUCOFORM, the handformable micro-wave cable with protective jacket

Frequency	Attenuation/m
88MHz	0,1
400MHz	0,25
800MHz	0,35
900MHz	0,37
1800MHz	0,55
2000MHz	0,6
2600MHz	0,69
3000MHz	0,73
3600MHz	0,82

**EGANT
High performance jumper cable
100% RF and PIM test.**

Choose your length and connector types.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Cable specification, see

<https://ecatalog.hubersuhner.com/media/documents/datasheet/en/pdf/85031886>

Technical Specifications for Jumper cable

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Passband:	DC - 3850 MHz
Product number:	
EG 699 0509 (black pvc)	0.34m, 4.3-10(m)
EG 699 0507	0.5m, 4.3-10(m)
EG 699 0452	1.5m, 4.3-10(m)
EG 699 0453	2m, 4.3-10(m)
EG 699 0472	2.5m, 4.3-10(m)
EG 699 0473	3m, 4.3-10(m)
EG 699 0474	4m, 4.3-10(m)
EG 699 0475	5m, 4.3-10(m)
EG 699 0476	6m, 4.3-10(m)
EG 699 0477	7m, 4.3-10(m)
EG 699 0478	8m, 4.3-10(m)
EG 699 0479	9m, 4.3-10(m)
EG 699 0480	10m, 4.3-10(m)
Input return loss:	$\geq 18\text{dB}$, typ 26dB
3rd order intermodulation:IM3, 2 x 43 dBm:	$< -117\text{ dBm}$ (160dBc)
Impedance in/out:	50 Ohm

Mechanical Specifications

Lenght:	Optional
Diameter:	4.1 mm
Connectors:	4.3-10(m)-4.3-10(m):

Environmental Specifications

Temp. range (normal operation):	-20 to +60°C
Humidity:	Relative 5 - 95%
Sealing:	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevD



**Jumper Cable DC-3850MHz
Sucoform RG 402
Lenght and connector types
are optional**



SUCOFORM, the handformable micro-wave cable with protective jacket

Frequence	Attenuation/m
88MHz	0,1
400MHz	0,25
800MHz	0,35
900MHz	0,37
1800MHz	0,55
2000MHz	0,6
2600MHz	0,69
3000MHz	0,73
3600MHz	0,82

**EGANT
High performance jumper cable
100% RF and PIM test.**

Choose your lenght and connector types.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Cable specification, see

<https://ecatalog.hubersuhner.com/media/documents/datasheet/en/pdf/85031886>

Technical Specifications for Jumper cable

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Passband: DC - 3850MHz

Product number:

EG 699 0503	0.5m, N(m)
EG 699 0504	1.0m, N(m)
EG 699 0492	1.5m, N(m)
EG 699 0493	2m, N(m)
EG 699 0494	2.5m, N(m)
EG 699 0495	3m, N(m)
EG 699 0496	4m, N(m)
EG 699 0497	5m, N(m)
EG 699 0498	6m, N(m)
EG 699 0499	7m, N(m)
EG 699 0500	8m, N(m)
EG 699 0501	9m, N(m)
EG 699 0502	10m, N(m)

Input return loss: ≥ 18 dB, typ 25dB

3rd order intermodulation:IM3, 2 x 43 dBm: < -110 dBm (153dBc)

Impedance in/out: 50 Ohm

Mechanical Specifications

Lenght: Optional
Diameter: 4.1 mm
Connectors: N(m)-N(m):

Environmental Specifications

Temp. range (normal operation): -20 to +60°C
Humidity: Relative 5 - 95%
Sealing: Optional:

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



**Jumper Cable
Sucoform RG 402
Length and connector types
are optional**



SUCOFORM, the handformable micro-wave cable with protective jacket

Frequency	Attenuation/m
88MHz	0,1
400MHz	0,25
800MHz	0,35
900MHz	0,37
1800MHz	0,55
2000MHz	0,6
2600MHz	0,69
3000MHz	0,73
3600MHz	0,82

**EGANT
High performance jumper cable
100% RF and PIM test.**

Choose your length and connector types.

Design highlights:

- Low insertion loss
- Easy installation
- No active components (robust design)

Cable specification, see

<https://ecatalog.hubersuhner.com/media/documents/datasheet/en/pdf/85031886>

Technical Specifications for Jumper cable

Below are some typical data. For more detailed information, please contact us.

Electrical Specifications

Passband: DC - 3850MHz

Product number:

EG 699 0737	0.5m, 4.3-10(m) - SMA(m)
EG 699 0738	1.0m, 4.3-10(m) - SMA(m)
EG 699 0739	1.5m, 4.3-10(m) - SMA(m)
EG 699 0740	2m, 4.3-10(m) - SMA(m)
EG 699 0741	3m, 4.3-10(m) - SMA(m)
EG 699 0742	4m, 4.3-10(m) - SMA(m)
EG 699 0743	5m, 4.3-10(m) - SMA(m)
EG 699 0744	6m, 4.3-10(m) - SMA(m)
EG 699 0839	7m, 4.3-10(m) - SMA(m)
EG 699 0838	10m 4.3-10(m) - SMA(m)

Input return loss: ≥ 22 dB, typ 28dB

3rd order intermodulation:IM3, 2 x 43 dBm: < -110 dBm (153dBc), typ 163dBc

Impedance in/out: 50 Ohm

Mechanical Specifications

Lenght:	Optional
Diameter:	4.1 mm
Connectors:	4.3-10(m)-SMA(m):

Environmental Specifications

Temp. range (normal operation):	-20 to +60°C
Humidity:	Relative 5 - 95%
Sealing:	Indoor

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevE



Cable Holder 1-5/8 for Cable ladders



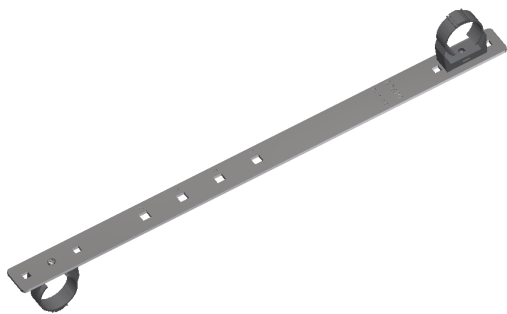
Click holders, optimized for tunnels and harsh environments

To simplify installation our cable holders are delivered with two easy click holders that can be preinstalled to cable ladders. Made with ease of installation in mind.

Save money

Our cable holders are optimized for quick and easy installation.

Giving you the possibility to install more holders in less time.

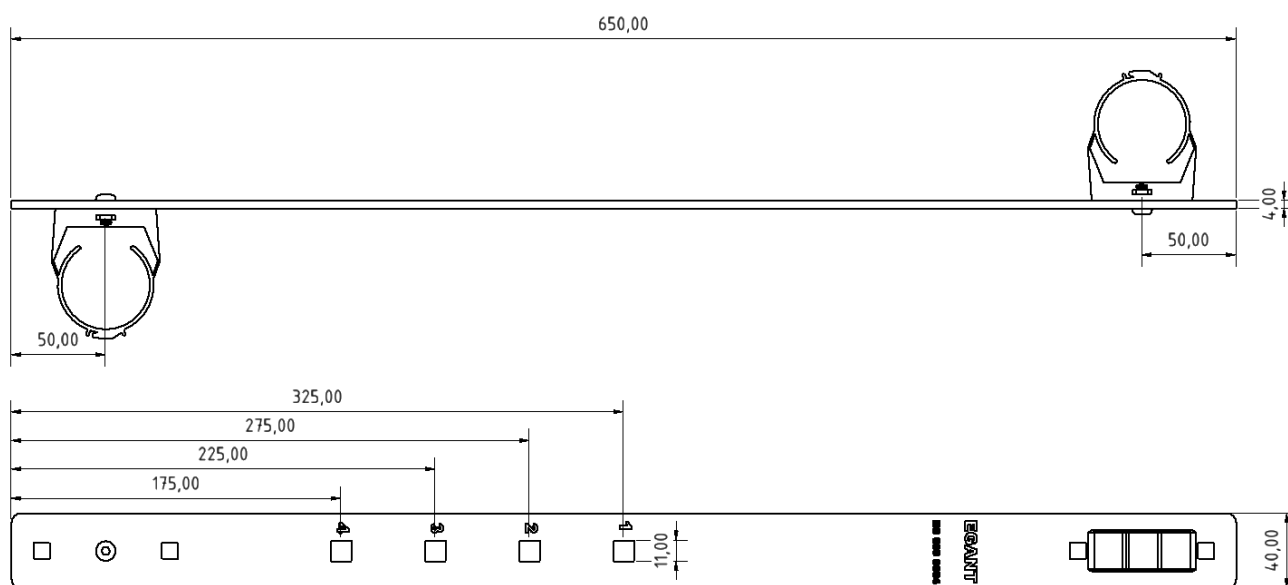


Technical Specifications - Cable holder

Below are some typical data. For more detailed information, please contact us.

Product number:	EG 609 0005
Mechanical Specifications	
Distance cable to cable (center)	550mm
Cable diameter	48-50,5mm
Dimensions (W x H x D):	650 x 40 x 156 mm
Weight:	1.0 kg
Material:	Stainless steel 4mm, EN 1.4404 1D (Hot rolled) PA6-VO, black, self extinguishing, halogen free according to UL94-VO

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevB

Cable Holder 1-5/8 for Cable ladders



Save money

Click holders, optimized for tunnels and harsh environments

To simplify installation our cable holders are delivered with two easy click holders that can be preinstalled to cable ladders. Made with ease of installation in mind.

Our cable holders are optimized for quick and easy installation.

Giving you the possibility to install more holders in less time.

Technical Specifications - Cable holder

Below are some typical data. For more detailed information, please contact us.

Product number:	EG 609 0001	EG 609 0002	EG 609 0003
Mechanical Specifications			
Distance cable to cable (center)	550mm	612mm	680mm
Cable diameter	48-50,5mm	48-50,5mm	48-50,5mm
Dimensions (W x H x D):	640 x 40 x 80 mm	640 x 40 x 80 mm	640 x 40 x 80 mm
Weight:	1.2 kg	1,4 kg	1.6 kg
Material:	Stainless steel A4 4mm, PA6-VO, black, self extinguishing, halogen free according to UL94-VO	Stainless steel A4 4mm, PA6-VO, black, self extinguishing, halogen free according to UL94-VO	Stainless steel A4 4mm, PA6-VO, black, self extinguishing, halogen free according to UL94-VO

Egant reserves the right to change this product specification at any time without notice.



Egant AB
Box 27065
102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Made in Sweden

RevA

Cable Clamp Click 1-5/8



Click holders, optimized for tunnels and harsh environments

To simplify installation, our cable clamps are available with an optional spacer to giving you 80mm to any structure. An important feature when working with leaky-feders

Save money

Our cable clamps are optimized for quick and easy installation.

Giving you the possibility to install more holders in less time.



Technical Specifications - Cable clamp click

Below are some typical data. For more detailed information, please contact us.

Product number:

EG 699 0912
EG 699 0913
EG 699 0914

Cable Clamp Click 1-5/8
Cable Clamp Click 1-5/8 + 80mm Spacer
80mm Spacer

Material:

PA6-VO, black, self extinguishing,
halogen free according to UL94-VO

Egant reserves the right to change this product
specification at any time without notice.

EG 699 0912



EG 699 0914



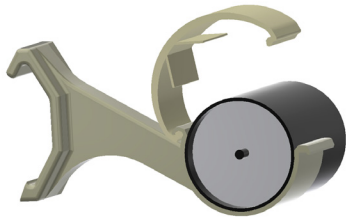
EG 699 0912



EG 699 0913

Egant AB
Box 27065
102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se

Cable Holder 1-5/8 for Cable ladder



Click holders, optimized for tunnels and harsh environments

To simplify installation our cable holders are available in 10 or 60 degrees angles and made with ease of installation in mind.

Save money

Our cable holders are optimized for quick and easy installation.

Giving you the possibility to install more holders in less time.

Technical Specifications - Cable holder

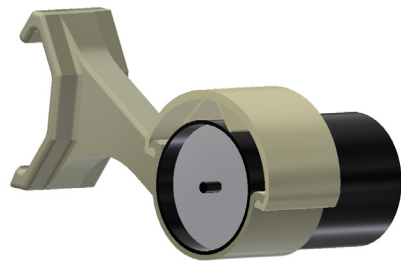
Below are some typical data. For more detailed information, please contact us.

Product number:	EG 699 0910	EG 699 0911
Mechanical Specifications		
Distance cable to cable ladder	80mm	80mm
Angle from cable ladder	10 degrees	60 degrees
Dimensions (W x H x D):	157 x 74 x 35 mm	82 x 188 x 35 mm
Weight:	0.1 kg	0.1 kg
Material:	PA6-VO, black, self extinguishing, halogen free according to UL94-VO	PA6-VO, black, self extinguishing, halogen free according to UL94-VO

Egant reserves the right to change this product specification at any time without notice.



EG 699 0910



EG 699 0911

Egant AB
Box 27065
102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se



Telecommunication Adapters
4.3-10, N and 7/16
DC - 8GHz

**Ultra high performance adapters designed for
the lowest possible loss**

The Egant adapters are precision-made of machined brass with Teflon® insulation and silver-plated contacts and bodies for minimal intermodulation generation.

Technical Specifications for Egant Adapters

Below are some typical data. For more detailed information, please contact us.

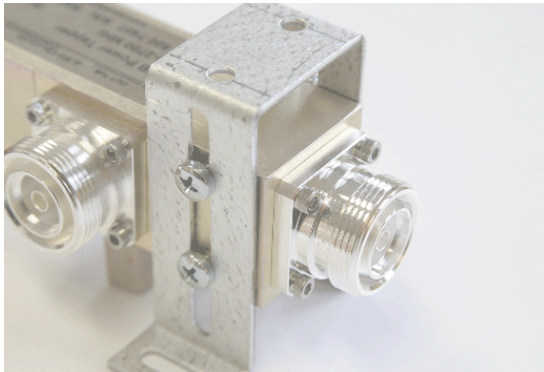
Specifications			
Product number:	EG 200 0078	EG 200 0083	EG 200 0089
Connectors:	N(m)-N(m)	7/16(m)-7/16(m)	7/16(f)-7/16(f)
Product number:	EG 200 0095	EG 608 0002	EG 608 0065
Connectors:	90° N(m)-N(f)	N(f)-N(f)	N(f)-4.3-10.0(m)
Product number:	EG 608 0068	EG 608 0070	EG 608 0071
Connectors:	7/16(f) - 4.3-10.0(f)	7/16(m) - 4.3-10.0(f)	7/16(m) - 4.3-10.0(m)
Product number:	EG 608 0069	EG 608 0072	EG 608 0073
Connectors:	7/16(f) - 4.3-10.0(m)	N(m) - 4.3/10(m)	N(f) - 4.3/10(f)
Product number:	EG 608 0074	EG 608 0077	EG 608 0079
Connectors:	N(m) - 4.3/10(f)	90° 4.3-10(m)-4.3-10(f)	4.3-10(f) - 4.3-10(f)
Product number:	EG 608 0075	EG 608 0116	EG 608 0119
Connectors:	4.3-10.0(m)-4.3-10.0(m)	Adapter N(f)-N(f) panel	7/16(m) - 7/16(f)
Specifications			
IM3, 2 x 43 dBm:	< - 110 dBm, 153dBc	< - 110 dBm, 153dBc	< - 110 dBm, 153dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
SE-102 51 Stockholm
Sweden
Phone: +46 (0)8 620 06 50
E-mail: info@egant.se
www.egant.se

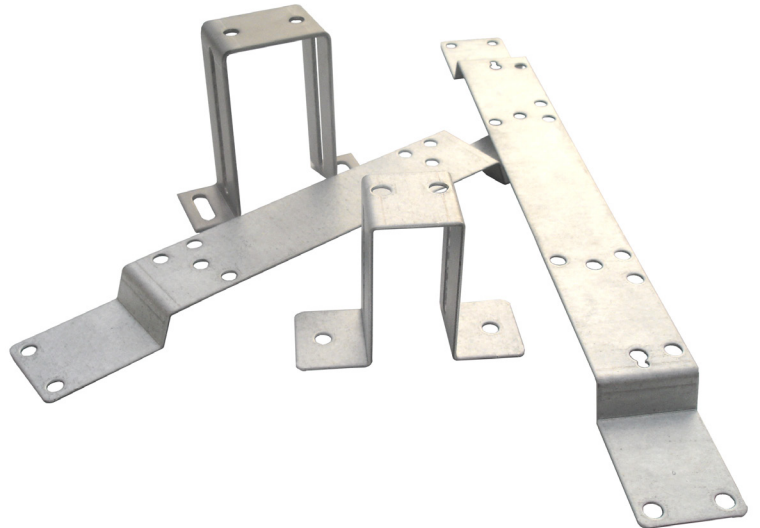
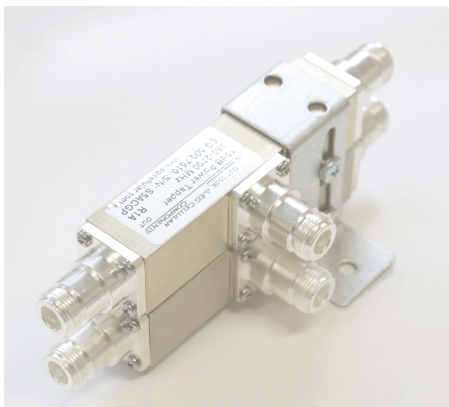


Brackets for Power Splitters, Power Tappers, Combiners and Couplers



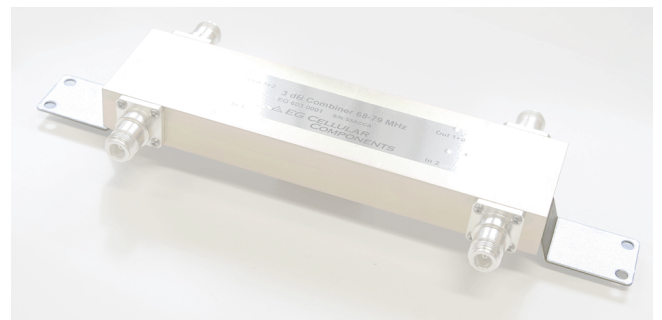
Adjustable brackets, optimized for tunnels and harsh environments

To simplify installation our brackets are multi-adjustable and made with ease of installation in mind.



Save money

Our brackets are optimized for Power Tappers, Power Splitters, Combiners and Couplers. When opting for quick and easy installation, make sure to use our tailor made stainless steel or aluzinc brackets.



Technical Specifications - Brackets

Below are some typical data. For more detailed information, please contact us.

Product number:	EG 300 0306	EG 300 0307	EG 699 0005
Mechanical Specifications			
Dimensions (W x H x D):	30 x 77 x 80 mm	30 x 77 x 80 mm	80 x 60 x 30 mm
Weight:	0.2 kg	0.2 kg	0.15 kg
Material:	Stainless steel A4	Aluzinc	Aluzinc

Product number:	EG 699 0006	EG 699 0007	EG 699 0386
Mechanical Specifications			
Dimensions (W x H x D):	330 x 15 x 35 mm	257 x 15 x 35 mm	80 x 44 x 31 mm
Weight:	0.3 kg	0.2 kg	0.2 kg
Material:	Aluzinc	Aluzinc	Stainless steel



EG 699 0006

Bracket for Egant combiners



EG 699 0007

Bracket for Egant cellular couplers



EG 699 0386

Bracket (RF) for 3 and 4-Way Splitters
7/16(f) and N(f)



EG 699 0005

Bracket (Alu) for splitters/tappers 7/16 and (N)

Egant reserves the right to change this product specification at any time without notice.

Egant AB
Box 27065
102 51 Stockholm
Sweden
Phone: +46 (0)8 62 00 650
E-mail: info@egant.se
www.egant.se