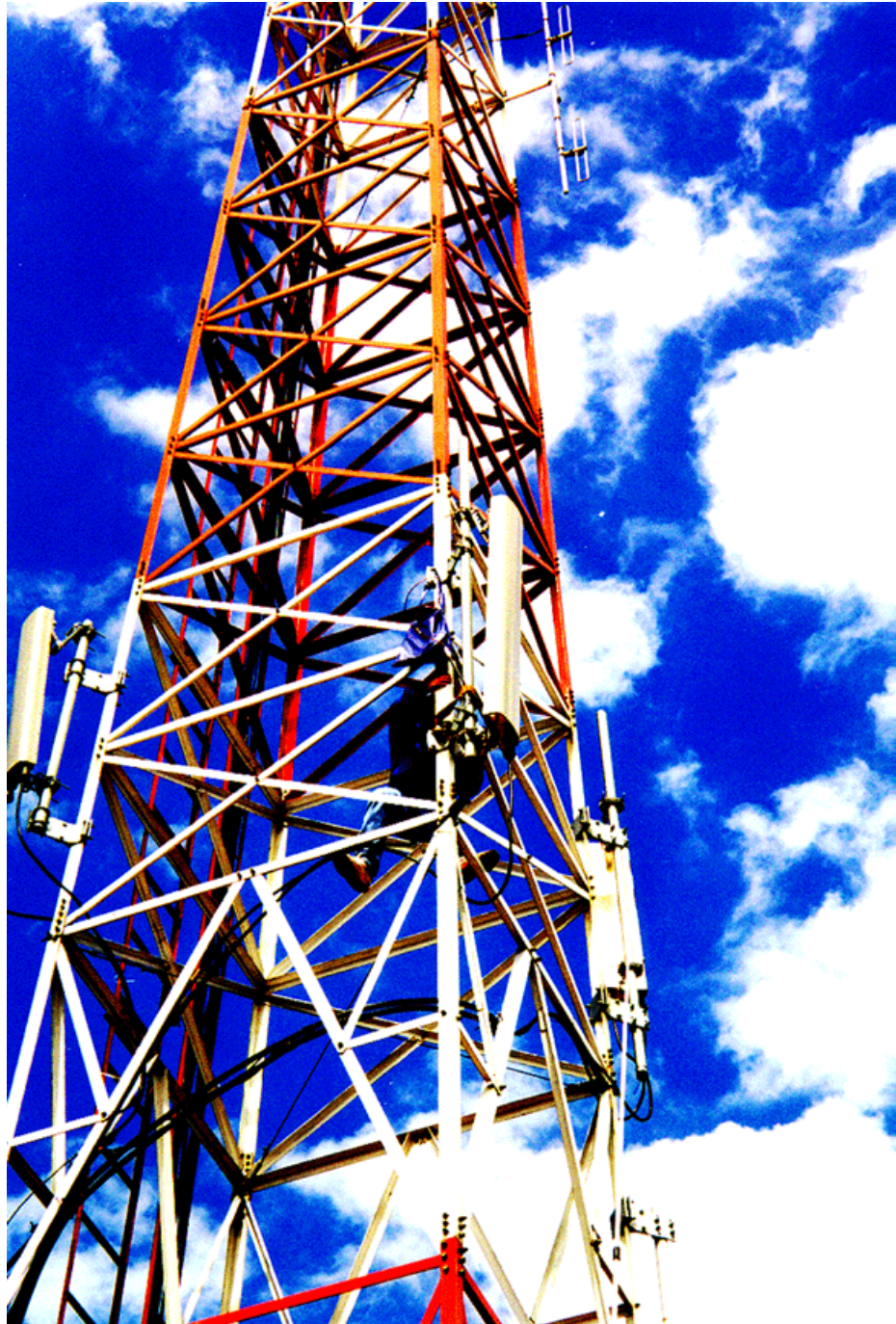




## High performance site components





## **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](http://www.egant.se)**

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## Power Splitters

[www.egant.se](http://www.egant.se)

### Frequency range

#### *Power Splitter*

<u>Frequency range</u>	<u>Description</u>	<u>Connector</u>	<u>Ordering number</u>
88-108MHz	Power splitter 2 way	N(f)	EG 605 0044
88-2700MHz	Power splitter 2 way	N(f)	EG 605 0024
88-2700MHz	Power splitter 2 way	7/16(f)	EG 605 0023
140-2200MHz	Power splitter 2 way	N(f)	EG 500 8052
140-2200MHz	Power splitter 2 way	7/16(f)	EG 605 0016
380-395MHz	Power splitter 2 way	N(f)	EG 605 0041
380-395MHz	Power splitter 3 way	N(f)	EG 605 0042
380-395MHz	Power splitter 4 way	N(f)	EG 605 0043
300-2200MHz	Power splitter 2 way	N(f)	EG 605 0030
300-2200MHz	Power splitter 3 way	N(f)	EG 605 0031
376-2200MHz	Power splitter 2 way	N(f)	EG 500 8042
376-2200MHz	Power splitter 3 way	N(f)	EG 500 8043
376-2200MHz	Power splitter 4 way	N(f)	EG 500 8044
376-2200MHz	Power splitter 2 way	7/16(f)	EG 500 8032
376-2200MHz	Power splitter 3 way	7/16(f)	EG 500 8033
376-2200MHz	Power splitter 4 way	7/16(f)	EG 500 8034
376-2500MHz	Power splitter 2 way	7/16(f)	EG 500 8030
376-2500MHz	Power splitter 2 way	N(f)	EG 605 0001
376-2500MHz	Power splitter 3 way	N(f)	EG 605 0002
376-2500MHz	Power splitter 4 way	N(f)	EG 605 0003
376-2700MHz	Power splitter 2 way	N(f)	EG 605 0020
376-2700MHz	Power splitter 3 way	N(f)	EG 605 0025
376-2700MHz	Power splitter 4 way	N(f)	EG 605 0026
376-2700MHz	Power splitter 2 way	7/16(f)	EG 605 0019
376-2700MHz	Power splitter 3 way	7/16(f)	EG 605 0021
376-2700MHz	Power splitter 4 way	7/16(f)	EG 605 0022



## Power Splitters

[www.egant.se](http://www.egant.se)

698-2700MHz	Power splitter 2 way	N(f)	EG 500 8012
698-2700MHz	Power splitter 3 way	N(f)	EG 500 8013
698-2700MHz	Power splitter 4 way	N(f)	EG 500 8014
698-2700MHz	Power splitter 2 way	7/16(f)	EG 500 8022
698-2700MHz	Power splitter 3 way	7/16(f)	EG 500 8023
698-2700MHz	Power splitter 4 way	7/16(f)	EG 500 8024
700-2700MHz	Power splitter 2 way	N(f)	EG 605 0037
700-2700MHz	Power splitter 3 way	N(f)	EG 605 0038
700-2700MHz	Power splitter 4 way	N(f)	EG 605 0039
700-2700MHz	Power Splitter 8 way	N(f)	EG 605 0040
800-2500MHz	Power splitter 2 way	N(f)	EG 605 0010
800-2500MHz	Power splitter 3 way	N(f)	EG 605 0011
800-2500MHz	Power splitter 4 way	N(f)	EG 605 0012
800-2500MHz	Power splitter 2 way	N(f)	EG 605 0013
800-2500MHz	Power splitter 3 way	N(f)	EG 605 0014
800-2500MHz	Power splitter 4 way	N(f)	EG 605 0015
2GHz-8GHz	Power splitter 2 way	SMA(f)	EG 605 0033



## **FM Splitter** **88 - 108 MHz**

### **Splits signals in 2 ways**

The FM splitter is designed to split unequally 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 since the TX signal is split and the RX signal is combined in the same stage and component.

### **FM bandwidth, 88 - 108 MHz**

All Egant power splitters are individually designed to be as future proof as possible.

### **Design Highlights:**

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

## Technical Specifications for FM Splitter

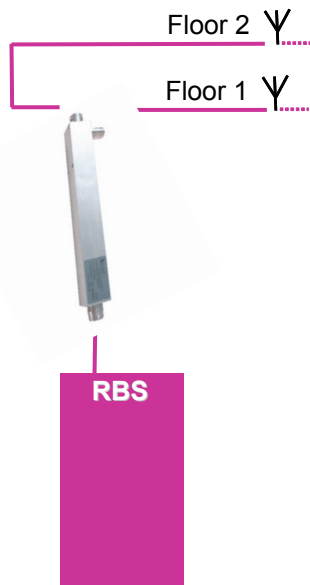
Below are some typical data. For more detailed information, please contact us.

<b>Electrical Specifications</b>	2-Way FM Splitter
Product number:	EG 605 0044
Passband:	88 - 108 MHz
Input return loss:	≥ 18 dB
Coupling/Insertion loss:	
Input to Out 1	< 10.0 dB, typ 9dB
Input to Out 2	< 1.0dB dB, typ 0.8dB
Max input power/port:	60 W
3 <sup>rd</sup> order intermodulation:	
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)
Impedance in/out:	50 Ohm
<b>Mechanical Specifications</b>	
Dimensions (W x H x D):	190 x 25 x 82 mm
Connectors:	N (f)
Weight:	1.2 kg
<b>Environmental Specifications</b>	
Temp. range (normal operation):	-30 to +70°C
Humidity:	Relative 5 - 100%
Sealing:	IP65

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**Power Splitters, Broadband**  
**88 - 2700 MHz**  
**FM, TETRA, NMT, GSM900,**  
**GSM1800, UMTS and LTE**



### **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 since the TX signal is split and the RX signal is combined in the same stage and component.

### **Installation bracket**

Use flexible stainless steel mounting bracket EG 300 0306 for Power Splitter with DIN connectors or the EG 699 0005 bracket for N version.

### **Superior bandwidth, 88 - 2700 MHz**

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accommodate 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

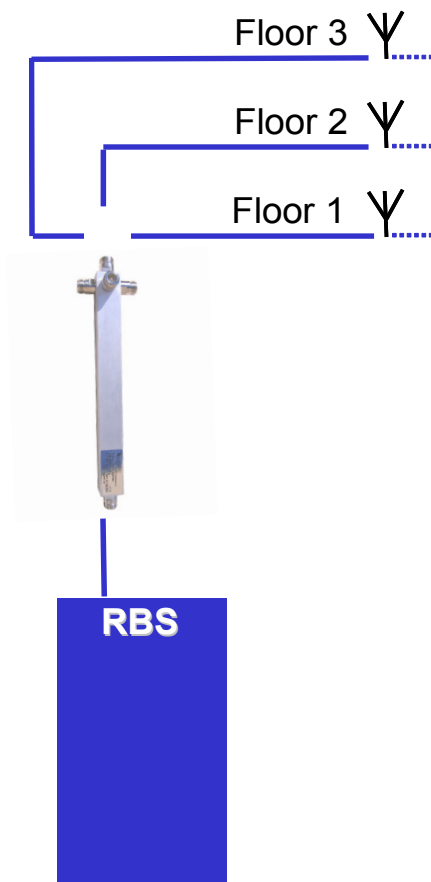
Below are some typical data. For more detailed information, please contact us.

	2-Way Power Splitter	2-Way Power Splitter
<b>Electrical Specifications</b>		
Product number:	EG 605 0023	EG 605 0024
Passband:	88 - 2700 MHz	88 - 2700 MHz
Input return loss:		
88-376MHz	≥ 9 dB, typ 10dB	≥ 9 dB, typ 10dB
376-500MHz	≥ 13,8 dB	≥ 13,8 dB
500-600MHz	≥ 18 dB	≥ 18 dB
600-2700MHz	≥ 22 dB	≥ 22 dB
Coupling:		
Insertion loss 88-376MHz	< 3.6 dB, typ 3.3dB	< 3.6 dB, typ 3.3dB
Insertion loss 376-2700MHz:	< 3.3 dB, typ 3dB	< 3.3 dB, typ 3dB
Max input power/port:	500 W avg.	500 W avg.
3 <sup>rd</sup> order intermodulation:	3 kW peak	3 kW peak
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)	≤-110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	255 x 62 x 38 mm	265x 54 x 26 mm
Connectors:	7/16 (f)	N (f)
Weight:	1.12 kg	0.45 kg
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP68	IP67
Installation support:	EG 300 0306 Bracket, stainless steel	EG 699 0005 Bracket, alu

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## Power Splitters, Broadband 140- 2200 MHz



### Splits signals in 2,-ways

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

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, 140 - 2200 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 140 - 2200 MHz

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

<b>Electrical Specifications</b>	2-Way Power Splitter EG 500 8052	2-Way Power Splitter EG 605 0016
Product number:	EG 500 8052	EG 605 0016
Passband:	140 - 2200 MHz	140 - 2200 MHz
Input return loss:		
140-376MHz	≥ 10 dB	≥ 10 dB
376-2200MHz	≥ 18 dB	≥ 18 dB
Split loss:	< 3.0 dB	< 3.0 dB
Dissipative loss 140-376MHz:	≤ 0.5 dB	≤ 0.5 dB
Dissipative loss 376-2200MHz:	≤ 0.4 dB	≤ 0.4 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	260 x 58 x 26 mm	253 x 38 x 80 mm
Connectors:	N (f)	7/16 (f)
Weight:	0.45 kg	1,2 kg

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## Power Splitters, Broadband 140- 2200 MHz



### Splits signals in 2,-ways

The 2-way splitters is 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, 140 - 2200 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 140 - 2200 MHz

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

<b>Electrical Specifications</b>	2-Way Power Splitter	2-Way Power Splitter
Product number:	EG 500 8052	EG 605 0016
Passband:	140 - 2200 MHz	140 - 2200 MHz
Input return loss:		
140-376MHz	≥ 10 dB	≥ 10 dB
376-2200MHz	≥ 18 dB	≥ 18 dB
Split loss:	< 3.0 dB	< 3.0 dB
Dissipative loss 140-376MHz:	≤ 0.5 dB	≤ 0.5 dB
Dissipative loss 376-2200MHz:	≤ 0.4 dB	≤ 0.4 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70° C	
Humidity:	Relative 5 - 100%	
Sealing:	IP65	
Installation support:	EG 699 0005	
Material:	Bracket, Alu	
<b>Mechanical Specifications</b>	260 x 58 x 26 mm	253 x 38 x 80 mm
Dimensions (W x H x D):	N (f)	7/16 (f)
Connectors:	0.45 kg	1,2 kg
Weight:		

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## 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)

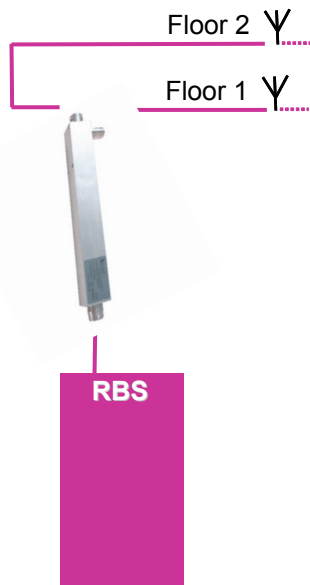
## Technical Specifications for Power Splitters

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

	EG 605 0041	EG 605 0042	EG 605 0043
<b>Electrical Specifications</b>			
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 ≥ 18 dB	380 - 395 MHz ≥ 18 dB	380 - 395 MHz ≥ 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
<b>Mechanical Specifications</b>			
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
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-5 to +65°C	-5 to +65°C	-5 to +65°C
Sealing:	Indoor	Indoor	Indoor

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**Power Splitters, Broadband**  
**300 - 2200 MHz**  
**UHF, TETRA, NMT, GSM900,**  
**GSM1800, UMTS**



**Splits signals in 2 or 3-Ways 3**

The power splitter is designed to equally split one input signal into 2 or 3 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, 300 - 2200 MHz**

The 2-way and 3-way power splitters are individually designed to be used with UHF, TETRA, NMT, GSM900, GSM1800 and UMTS.

**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.

<b>Electrical Specifications</b>		
Product number:	EG 605 0030	EG 605 0031
Passband:	2-Way Splitter	3-Way Splitter
Input return loss:	300 - 2200 MHz	300 - 2200 MHz
300 - 376 MHz	≥ 16 dB	≥ 12,9 dB
376 - 2200 MHz	≥ 18 dB	≥ 18 dB
Split loss:	< 3.0 dB	< 5 dB
Dissipative loss:		
300 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB
Max input power/port:	300 W avg. 3 kW peak	300 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 64 mm
Connectors:	N (f)	N (f)
Weight:	1.12 kg	1.20 kg
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65
Installation support:	EG 699 0005 Bracket	EG 699 0005 Bracket

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**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.

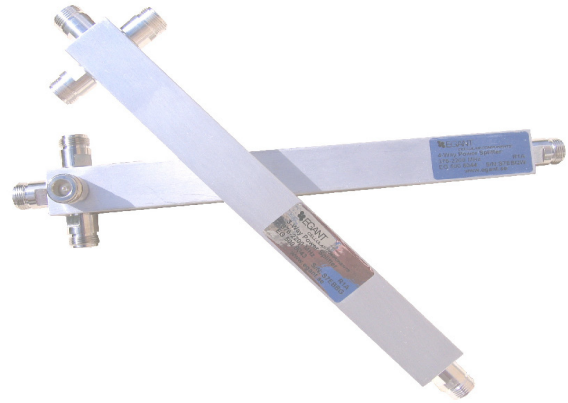
<b>Electrical Specifications</b>			
Product number:	EG 500 8032	EG 500 8033	EG 500 8034
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss:	376 - 2200 MHz	376 - 2200 MHz	376 - 2200 MHz
	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB	≥ 18 dB, typ 24 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss:			
376 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB
Max input power/port:	700 W avg. 3 kW peak	700 W avg. 3 kW peak	700 W avg. 3 kW peak
3 <sup>rd</sup> 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
<b>Mechanical Specifications</b>			
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:	7/16 (f)	7/16 (f)	7/16 (f)
Weight:	1.12 kg	1.20 kg	1.20 kg
<b>Environmental Specifications</b>			
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 300 0306 Bracket, stainless steel	EG 300 0306 Bracket, stainless steel	EG 300 0306 Bracket, stainless steel
<b>Electrical Specifications</b>			
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:			
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 <sup>rd</sup> 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
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 64 mm	276 x 26 x 64 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.45 kg	0.50 kg	0.55 kg
<b>Environmental Specifications</b>			
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 Bracket, aluminum	EG 699 0005 Bracket, aluminum	EG 699 0005 Bracket, aluminum

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## Power Splitters, Broadband 376 - 2500 MHz TETRA, NMT, GSM900, GSM1800, UMTS, W-LAN



### 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-WLAN, 376 - 2500 MHz

The 2-way, 3-way and 4-way power splitters are individually designed to be used with TETRA, NMT, GSM900, GSM1800, UMTS and W-LAN.

### 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.

<b>Electrical Specifications</b>			
Product number:	EG 605 0001 2-Way Splitter	EG 605 0002 3-Way Splitter	EG 605 0003 4-Way Splitter
Passband:	376 - 2500 MHz	376 - 2500 MHz	376 - 2500 MHz
Split loss:	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB
Dissipative loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Max input power/port:	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB
3 <sup>rd</sup> order intermodulation: IM3, 2 x 43 dBm:	700 W avg. 3 kW peak	700 W avg. 3 kW peak	700 W avg. 3 kW peak
Impedance in/out:	≤ -110 dBm (153 dBc) 50 Ohm	≤ -110 dBm (153 dBc) 50 Ohm	≤ -110 dBm (153 dBc) 50 Ohm
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 45 mm	276 x 26 x 45 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.45 kg	0.50 kg	0.55 kg
<b>Environmental Specifications</b>			
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 Bracket, aluzinc	EG 699 0005 Bracket, aluzinc	EG 699 0005 Bracket, aluzinc
<b>Electrical Specifications</b>			
Product number:	EG 500 8030 2-Way Splitter		
Passband:	376 - 2500 MHz		
Input return loss:	≥ 18 dB, typ 23 dB		
Split loss:	< 3.0 dB		
Dissipative loss:			
376 - 800 MHz:	≤ 0.2 dB		
800 - 2500 MHz:	≤ 0.1 dB		
Max input power/port:	700 W avg. 3 kW peak		
3rd order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)		
Impedance in/out:	50 Ohm		
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	276 x 26 x 45 mm		
Connectors:	7/16 (f)		
Weight:	1,12 kg		
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-35 to +70° C		
Humidity:	Relative 5 - 100%		
Sealing:	IP68		
Installation support:	EG 300 0306 Bracket, stainless steel		

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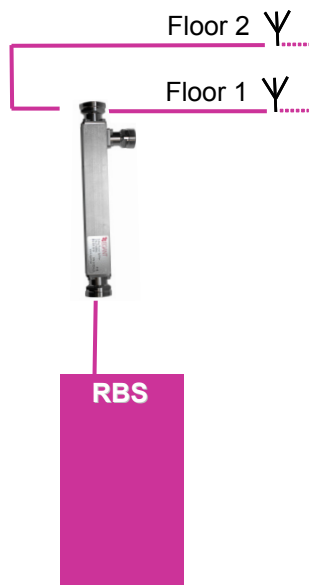
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**Power Splitters, Broadband  
376 - 2700 MHz  
TETRA, NMT, LTE800, GSM900,  
GSM1800, UMTS and LTE2600**



### **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 since the TX signal is split and the RX signal is combined in the same stage and component.

### **Installation bracket**

Use flexible stainless steel mounting bracket EG 300 0306 for Power Splitter with DIN connectors or the EG 699 0005 bracket for N version.

### **Superior bandwidth, 376 - 2700 MHz**

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accommodate 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

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

	2-Way Power Splitter	2-Way Power Splitter
<b>Electrical Specifications</b>		
Product number:	EG 605 0019	EG 605 0020
Passband:	376 - 2700 MHz	376 - 2700 MHz
Input return loss:		
376-500MHz	≥ 13,8 dB	≥ 13,8 dB
500-600MHz	≥ 17 dB	≥ 17 dB
600-2700MHz	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB
Coupling:	< 3.1 dB	< 3.1 dB
Insertion loss 376-2700MHz:	< 0.2 dB	< 0.2 dB
Max input power/port:	500 W avg.	500 W avg.
3 <sup>rd</sup> order intermodulation:	3 kW peak	3 kW peak
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	255 x 60 x 38 mm	255x 50 x 25 mm
Connectors:	7/16 (f)	N (f)
Weight:	1.12 kg	0.45 kg
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP68	IP65
Installation support:	EG 300 0306 Bracket, stainless steel	EG 699 0006 Bracket, aluminum

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**Power Splitters, Broadband**  
**376 - 2700 MHz**  
**TETRA, NMT, GSM900, GSM1800,**  
**UMTS and LTE**



### **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.

### **Superior bandwidth, 376 - 2700 MHz**

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accommodate 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

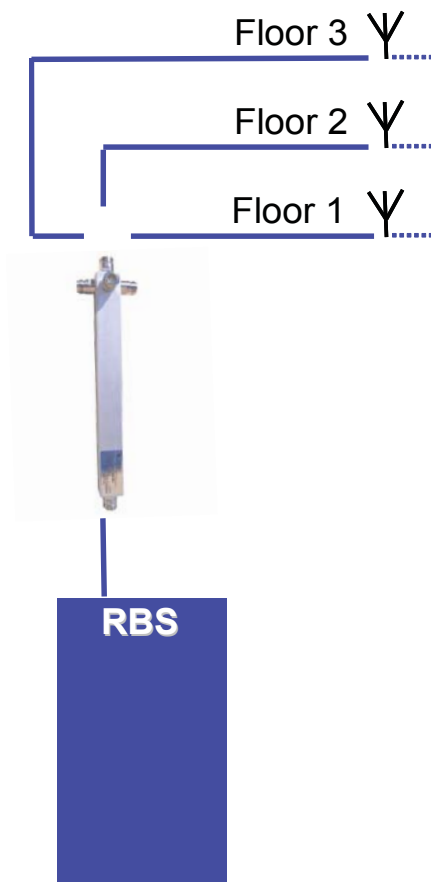
Below are some typical data. For more detailed information, please contact us.

<b>Electrical Specifications</b>	3-Way Power Splitter	4-Way Power Splitter
Product number:	EG 605 0025	EG 605 0026
Passband:	376 - 2700 MHz	376 - 2700 MHz
Input return loss:		
376-2600MHz	≥ 18 dB, typ 23dB	≥ 18 dB, typ 23dB
2600-2700MHz	≥ 16,5 dB, typ 18dB	≥ 16,5 dB, typ 18dB
Coupling:		
376-2600MHz	< 4,8 dB	< 6.0 dB
2600-2700MHz	< 5.0 dB	< 7.0 dB
Insertion loss 376-2700MHz:	< 0.2 dB	< 0.2 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	305 x 80 x 30 mm	305 x 80 x 30 mm
Connectors:	N (f)	N (f)
Weight:	0.9 kg	0.9 kg
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67

<b>Electrical Specifications</b>	3-Way Power Splitter	4-Way Power Splitter
Product number:	EG 605 0021	EG 605 0022
Passband:	376 - 2700 MHz	376 - 2700 MHz
Input return loss:		
376-2600MHz	≥ 18 dB, typ 23dB	≥ 18 dB, typ 23dB
2600-2700MHz	≥ 16,5 dB, typ 18dB	≥ 16,5 dB, typ 18dB
Coupling:		
376-2600MHz	< 4,8 dB	< 6.0 dB
2600-2700MHz	< 5.0 dB	< 7.0 dB
Insertion loss 376-2700MHz:	< 0.2 dB	< 0.2 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation:		
IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>		
Dimensions (W x H x D):	305 x 80 x 30 mm	305 x 80 x 55 mm
Connectors:	7/16 (f)	7/16 (f)
Weight:	0.9 kg	1.1 kg
<b>Environmental Specifications</b>		
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%
	IP67	IP67

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**Power Splitters, Broadband**  
**698 - 2700 MHz**  
**GSM900, GSM1800, UMTS, W-LAN**



### **Splits signals in 2, 3 or 4 ways**

The 2-way, 3-way and 4-way power splitters are 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, 698 - 2700 MHz**

All Egant power splitters are individually designed to be as future proof as possible. They are extremely broad banded to accommodate 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 698 - 2700 MHz

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

<b>Electrical Specifications</b>	2-Way Power Splitter	3-Way Power Splitter	4-Way Power Splitter
Product number:	EG 500 8022	EG 500 8023	EG 500 8024
Passband:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Input return loss:	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss < 2 GHz:	≤ 0.15 dB	≤ 0.15 dB	≤ 0.15 dB
Dissipative loss > 2 GHz:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> 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
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 64 mm	276 x 26 x 64 mm
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)
Weight:	1.12 kg	1.20 kg	1.20 kg
<b>Environmental Specifications</b>			
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 300 0306	EG 300 0306	EG 300 0306
Material:	Bracket, stainless steel	Bracket, stainless steel	Bracket, stainless steel
<b>Electrical Specifications</b>	2-Way Power Splitter	3-Way Power Splitter	4-Way Power Splitter
Product number:	EG 500 8012	EG 500 8013	EG 500 8014
Passband:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Input return loss:	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB	≥ 18 dB, typ 23 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss < 2 GHz:	≤ 0.15 dB	≤ 0.15 dB	≤ 0.15 dB
Dissipative loss > 2 GHz:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3 <sup>rd</sup> 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
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	276 x 26 x 45 mm	276 x 26 x 64 mm	276 x 26 x 64 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.55 kg	0.55 kg	0.55 kg
<b>Environmental Specifications</b>			
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 0005
Material:	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc	Bracket, Aluminum Zinc

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## Power Splitters, Broadband 700 - 2700 MHz



### Splits signals in 2, 3,4 or 8 ways

The power splitter is designed to equally split one input signal into 2, 3, 4, or 8 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.

### 700 - 2700 MHz

The 2-way, 3-way, 4-way, and 8 ways power splitters are individually designed to be used with LTE800, GSM900, GSM1800, UMTS2100 and LTE2600 .

### 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 0037	EG 605 0038	EG 605 0039
	2-Way Splitter	3-Way Splitter	4-Way Splitter
Passband:	700 - 2700 MHz	700 - 2700 MHz	700 - 2700 MHz
Input return loss:	≥ 18 dB	≥ 17 dB	≥ 17 dB
Split loss:	< 3.0 dB	< 4.8 dB	< 6.0 dB
Insertion loss:	≤ 0.5 dB	≤ 0.5 dB	≤ 1.4 dB
Max input power:	50 W	50 W	50 W
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm

### Mechanical Specifications

Dimensions (W x H x D):	51 x 22 x 70 mm	80 x 22 x 70 mm	100 x 22 x 70 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.4 kg	0.45 kg	0.5 kg

### Environmental Specifications

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

### Electrical Specifications

Product number:	EG 605 0040
	8-Way Splitter
Passband:	700 - 2700 MHz
Input return loss:	≥ 12 dB
Split loss:	< 9.0 dB
Insertion loss:	≤ 1.4 dB
Max input power:	50 W
Impedance in/out:	50 Ohm

### Mechanical Specifications

Dimensions (W x H x D):	200 x 22 x 80 mm
Connectors:	N (f)
Weight:	1.0 kg

### Environmental Specifications

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

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**Power Splitters, Broadband  
800 - 2500 MHz  
GSM900, CDMA, GSM1800, UMTS**



**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, 800 - 2500 MHz**

The 2-way, 3-way and 4-way power splitters are individually designed to be used with GSM900, CDMA, GSM1800 and UMTS.

**Design highlights:**

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





## Technical Specifications for Power Splitters

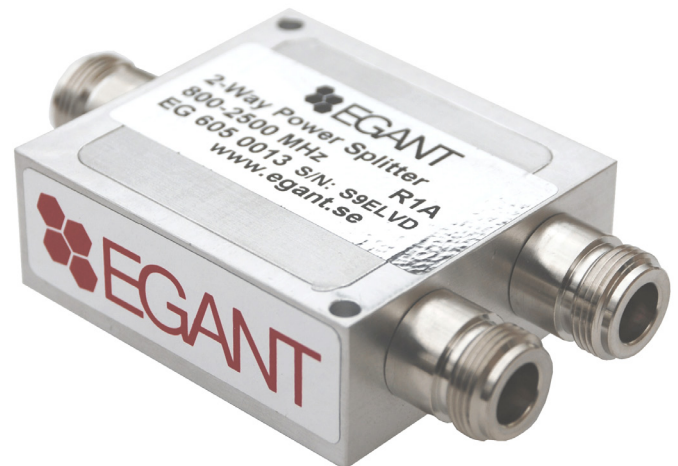
Below are some typical data. For more detailed information, please contact us.

<b>Electrical Specifications</b>			
Product number:	EG 605 0010	EG 605 0011	EG 605 0012
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss:	800 - 2500 MHz	800 - 2500 MHz	800 - 2500 MHz
	≥ 20 dB	≥ 20 dB	≥ 20 dB
Split loss:	< 3.0 dB	< 4.8 dB	< 6.0 dB
Dissipative loss:	≤ 0.1 dB	≤ 0.1 dB	≤ 0.1 dB
Max input power/port:	300 W avg.	300 W avg.	300 W avg.
3 <sup>rd</sup> order intermodulation:			
IM3, 2 x 43 dBm:	-130 dBc	-130 dBc	-130 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	210 x 25 x 61 mm	236 x 25 x 61 mm	236 x 43 x 61 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.4 kg	0.45 kg	0.5 kg
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-35 to +75°C	-35 to +75°C	-35 to +75°C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65
<b>Electrical Specifications</b>			
Product number:	EG 605 0013	EG 605 0014	EG 605 0015
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss:	800 - 2500 MHz	800 - 2500 MHz	800 - 2500 MHz
	≥ 19 dB	≥ 19 dB	≥ 19 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 avg.	50 W avg.	50 W avg.
3 <sup>rd</sup> order intermodulation:			
IM3, 2 x 43 dBm:	-110 dBc	-110 dBc	-110 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>			
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
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	Indoor IP50	Indoor IP50	Indoor IP50

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## Power Splitters, Broadband 2 GHz - 8 GHz



### 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 since the TX signal is split and the RX signal is combined in the same stage and component.

### 2 GHz - 8 GHz

The 2-way power splitters are designed to be used with frequency between 2 GHz up to 8 GHz.

### 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 0033  
Passband: 2 GHz - 8 GHz

Input return loss:  $\geq 16.5$  dB

Split loss:  $< 3.0$  dB +/- 0,15 dB

Insertion loss:  $\leq 0.4$  dB

Max input power/port: 30W

Impedance in/out: 50 Ohm

### **Mechanical Specifications**

Dimensions (W x H x D): 80 x 13 x 40 mm  
Connectors: SMA (f)  
Weight: 0.3 kg

### **Environmental Specifications**

Sealing: Indoor IP50

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## Power Tappers

[www.egant.se](http://www.egant.se)

### Frequency range

#### *Power Tappers*

<u>Frequency range</u>	<u>Description</u>	<u>Connector</u>	<u>Ordering number</u>
88-2700MHz	Power Tapper -4,8 dB	N(f)	EG 500 3504
88-2700MHz	Power Tapper -6,0 dB	N(f)	EG 500 3506
88-2700MHz	Power Tapper -7,0 dB	N(f)	EG 500 3507
88-2700MHz	Power Tapper -8,0 dB	N(f)	EG 500 3508
88-2700MHz	Power Tapper -9,0 dB	N(f)	EG 500 3509
88-2700MHz	Power Tapper -10 dB	N(f)	EG 500 3510
88-2700MHz	Power Tapper -11 dB	N(f)	EG 500 3511
88-2700MHz	Power Tapper -12 dB	N(f)	EG 500 3512
88-2700MHz	Power Tapper -13 dB	N(f)	EG 500 3513
88-2700MHz	Power Tapper -14 dB	N(f)	EG 500 3514
88-2700MHz	Power Tapper -15 dB	N(f)	EG 500 3515
88-2700MHz	Power Tapper -20 dB	N(f)	EG 500 3520
88-2700MHz	Power Tapper -30 dB	N(f)	EG 500 3530
88-2700MHz	Power Tapper -4,8 dB	7/16(f)	EG 500 3404
88-2700MHz	Power Tapper -6,0 dB	7/16(f)	EG 500 3406
88-2700MHz	Power Tapper -7,0 dB	7/16(f)	EG 500 3407
88-2700MHz	Power Tapper -8,0 dB	7/16(f)	EG 500 3408
88-2700MHz	Power Tapper -9,0 dB	7/16(f)	EG 500 3409
88-2700MHz	Power Tapper -10 dB	7/16(f)	EG 500 3410
88-2700MHz	Power Tapper -13 dB	7/16(f)	EG 500 3413
88-2700MHz	Power Tapper -15 dB	7/16(f)	EG 500 3415
88-2700MHz	Power Tapper -20 dB	7/16(f)	EG 500 3420
88-2700MHz	Power Tapper -30 dB	7/16(f)	EG 500 3430



## Power Tappers

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### Frequency range

#### *Power Tappers*

<u>Frequency range</u>	<u>Description</u>	<u>Connector</u>	<u>Ordering number</u>
150-2700MHz	Power Tapper -4,8 dB	N(f)	EG 500 7904
150-2700MHz	Power Tapper -6,0 dB	N(f)	EG 500 7906
150-2700MHz	Power Tapper -7,0 dB	N(f)	EG 500 7907
150-2700MHz	Power Tapper -8,0 dB	N(f)	EG 500 7908
150-2700MHz	Power Tapper -9,0 dB	N(f)	EG 500 7909
150-2700MHz	Power Tapper -10 dB	N(f)	EG 500 7910
150-2700MHz	Power Tapper -11 dB	N(f)	EG 500 7911
150-2700MHz	Power Tapper -12 dB	N(f)	EG 500 7912
150-2700MHz	Power Tapper -13 dB	N(f)	EG 500 7913
150-2700MHz	Power Tapper -14 dB	N(f)	EG 500 7914
150-2700MHz	Power Tapper -15 dB	N(f)	EG 500 7915
150-2700MHz	Power Tapper -20 dB	N(f)	EG 500 7920
150-2700MHz	Power Tapper -30 dB	N(f)	EG 500 7930
150-2700MHz	Power Tapper -4,8 dB	7/16(f)	EG 500 7804
150-2700MHz	Power Tapper -6,0 dB	7/16(f)	EG 500 7806
150-2700MHz	Power Tapper -7,0 dB	7/16(f)	EG 500 7807
150-2700MHz	Power Tapper -8,0 dB	7/16(f)	EG 500 7808
150-2700MHz	Power Tapper -9,0 dB	7/16(f)	EG 500 7809
150-2700MHz	Power Tapper -10 dB	7/16(f)	EG 500 7810
150-2700MHz	Power Tapper -13 dB	7/16(f)	EG 500 7813
150-2700MHz	Power Tapper -15 dB	7/16(f)	EG 500 7815
150-2700MHz	Power Tapper -20 dB	7/16(f)	EG 500 7820
150-2700MHz	Power Tapper -30 dB	7/16(f)	EG 500 7830



## Power Tappers

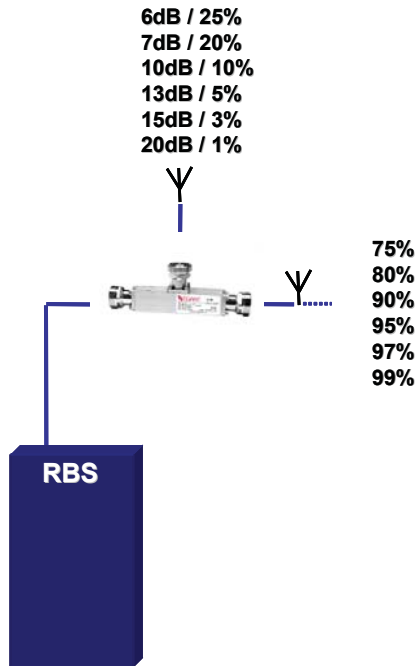
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### Frequency range

#### *Power Tappers*

<u>Frequency range</u>	<u>Description</u>	<u>Connector</u>	<u>Ordering number</u>
376-2700MHz	Power Tapper -4,8 dB	N(f)	EG 500 7504
376-2700MHz	Power Tapper -6,0 dB	N(f)	EG 500 7506
376-2700MHz	Power Tapper -7,0 dB	N(f)	EG 500 7507
376-2700MHz	Power Tapper -8,0 dB	N(f)	EG 500 7508
376-2700MHz	Power Tapper -9,0 dB	N(f)	EG 500 7509
376-2700MHz	Power Tapper -10 dB	N(f)	EG 500 7510
376-2700MHz	Power Tapper -11 dB	N(f)	EG 500 7511
376-2700MHz	Power Tapper -12 dB	N(f)	EG 500 7512
376-2700MHz	Power Tapper -13 dB	N(f)	EG 500 7513
376-2700MHz	Power Tapper -14 dB	N(f)	EG 500 7514
376-2700MHz	Power Tapper -15 dB	N(f)	EG 500 7515
376-2700MHz	Power Tapper -20 dB	N(f)	EG 500 7520
376-2700MHz	Power Tapper -30 dB	N(f)	EG 500 7530
376-2700MHz	Power Tapper -4,8 dB	7/16(f)	EG 500 7404
376-2700MHz	Power Tapper -6,0 dB	7/16(f)	EG 500 7406
376-2700MHz	Power Tapper -7,0 dB	7/16(f)	EG 500 7407
376-2700MHz	Power Tapper -8,0 dB	7/16(f)	EG 500 7408
376-2700MHz	Power Tapper -9,0 dB	7/16(f)	EG 500 7409
376-2700MHz	Power Tapper -10 dB	7/16(f)	EG 500 7410
376-2700MHz	Power Tapper -13 dB	7/16(f)	EG 500 7413
376-2700MHz	Power Tapper -15 dB	7/16(f)	EG 500 7415
376-2700MHz	Power Tapper -20 dB	7/16(f)	EG 500 7420
376-2700MHz	Power Tapper -30 dB	7/16(f)	EG 500 7430

## Power Tappers 88 - 2700 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 - 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 bracket EG 699 0005 for Power Tappers, both for N 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
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 300 0306 (7/16), EG 699 0005 (N)
3 <sup>rd</sup> order intermodulation:	
IM3, 2 x 43 dBm:	< - 110 dBm / 153 dBc

### Environmental Specifications

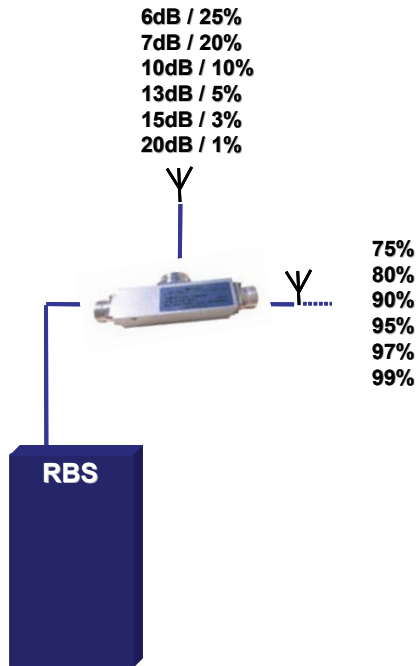
Temp. range (normal operation):	-35 to +70° C
Humidity:	Relative 5 - 100%
Sealing: N (f)	IP65
Sealing: 7/16 (f)	IP67

Product number:	EG 500 3404	EG 500 3406	EG 500 3407	EG 500 3408	EG 500 3409	EG 500 3410	EG 500 3413
Coupling:							
380-2700 MHz	<b>-4.8 dB</b>	<b>-6.0 dB</b>	<b>-7.0 dB</b>	<b>-8.0 dB</b>	<b>-9.0 dB</b>	<b>-10.0 dB</b>	<b>-13.0 dB</b>
150-379 MHz	-11.0 dB	-7.5 dB	-8.5 dB	-10.0dB	-11.0 dB	-12.0 dB	-14.2 dB
88-149MHz	-14.3dB	-9.2dB	-10.4dB	-12.0dB	-13.0dB	-14.0dB	-15.4dB
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 500 3415	EG 500 3420	EG 500 3430				
Coupling:							
380-2700 MHz	<b>-15.0 dB</b>	<b>-20.0 dB</b>	<b>-30.0 dB</b>				
150-379 MHz	-15.7 dB	-20.0dB	-29.0dB				
88-149MHz	17.0dB	-21.0dB	-28.5dB				
Insertion loss:	0.05 dB	0.05 dB	0.05 dB				
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)				
Product number:	EG 500 3504	EG 500 3506	EG 500 3507	EG 500 3508	EG 500 3509	EG 500 3510	EG 500 3511
Coupling:							
380-2700 MHz	<b>-4.8 dB</b>	<b>-6.0 dB</b>	<b>-7.0 dB</b>	<b>-8.0 dB</b>	<b>-9.0 dB</b>	<b>-10.0 dB</b>	<b>-11.0 dB</b>
150-379 MHz	-11.0 dB	-7.5 dB	-8.5 dB	-10.0 dB	-11.0 dB	-12.0 dB	-12.5 dB
88-149MHz	-14.3dB	-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	0.05 dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)
Product number:	EG 500 3512	EG 500 3513	EG 500 3514	EG 500 3515	EG 500 3520	EG 500 3530	
Coupling:							
380-2700 MHz	<b>-12.0 dB</b>	<b>-13.0 dB</b>	<b>-14.0 dB</b>	<b>-15.0 dB</b>	<b>-20.0 dB</b>	<b>-30.0 dB</b>	
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:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	

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## Power Tappers 150 - 2700 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, 150 - 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 stainless steel mounting bracket EG 300 0306 for tappers with DIN connectors, or the EG 699 0005 bracket for N versions.

## Technical Specifications for Egant Power Tappers

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

### Electrical and Mechanical Specifications

Frequency Band:	150 - 1000 MHz & 1710 - 2700 MHz
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 300 0306 (7/16), EG 699 0005 (N)
3 <sup>rd</sup> 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)	IP68

Product number: EG 500 7804 EG 500 7806 EG 500 7807 EG 500 7808 EG 500 7809 EG 500 7810 EG 500 7813

Coupling:							
380-2700 MHz	<b>-4.8 dB</b>	<b>-6.0 dB</b>	<b>-7.0 dB</b>	<b>-8.0 dB</b>	<b>-9.0 dB</b>	<b>-10.0 dB</b>	<b>-13.0 dB</b>
150-379 MHz	-11.0 dB	-7.5 dB	-8.5 dB	-10.0dB	-11.0 dB	-12.0 dB	-14.2 dB
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 500 7815 EG 500 7820 EG 500 7830

Coupling:			
380-2700 MHz	<b>-15.0 dB</b>	<b>-20.0 dB</b>	<b>-30.0 dB</b>
150-379 MHz	-15.7 dB	-20.0dB	-29.0dB
Insertion loss:	0.05 dB	0.05 dB	0.05 dB
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)

Product number: EG 500 7904 EG 500 7906 EG 500 7907 EG 500 7908 EG 500 7909 EG 500 7910 EG 500 7911

Coupling:						
380-2700 MHz	<b>-4.8 dB</b>	<b>-6.0 dB</b>	<b>-7.0 dB</b>	<b>-8.0 dB</b>	<b>-9.0 dB</b>	<b>-11.0 dB</b>
150-379 MHz	-11.0 dB	-7.5 dB	-8.5 dB	-10.0 dB	-11.0 dB	-12.5 dB
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 500 7912 EG 500 7913 EG 500 7914 EG 500 7915 EG 500 7920 EG 500 7930

Coupling:						
380-2700 MHz	<b>-12.0 dB</b>	<b>-13.0 dB</b>	<b>-14.0 dB</b>	<b>-15.0 dB</b>	<b>-20.0 dB</b>	<b>-30.0 dB</b>
150-379 MHz	-13.5 dB	-14.2 dB	-15.0 dB	-15.7 dB	-20.0 dB	-29.0 dB
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)

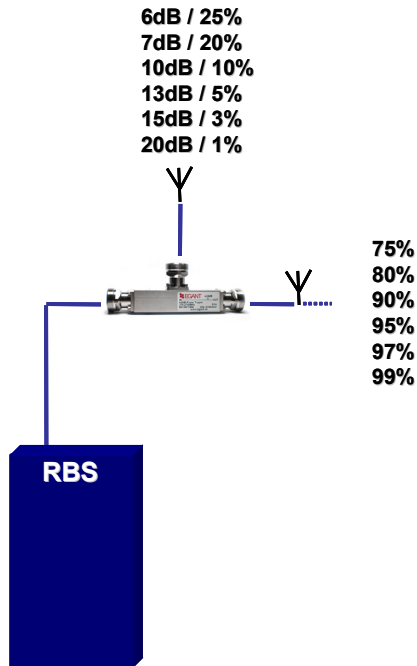
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## Power Tappers

376 - 2700 MHz

TETRA, GSM900, GSM1800, UMTS,  
W-LAN



### 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, 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 stainless steel mounting bracket EG 300 0306 for tappers with DIN connectors, or the EG 699 0005 bracket for N versions.

## 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
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 300 0306 (7/16), EG 699 0005 (N)
3 <sup>rd</sup> order intermodulation:	
IM3, 2 x 43 dBm:	< - 110 dBm / 153 dBc

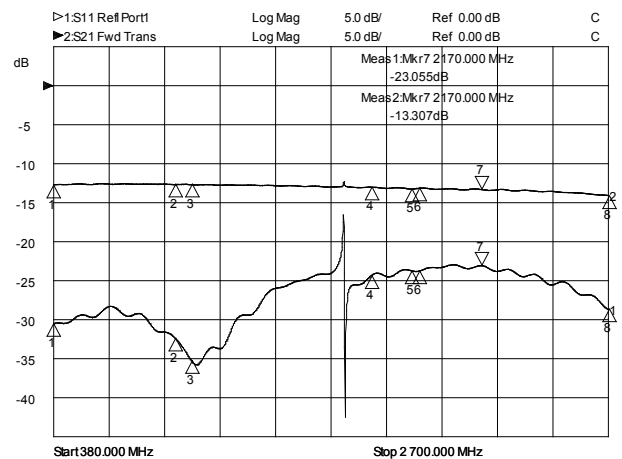
### Environmental Specifications

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

Product number:	EG 500 7404	EG 500 7406	EG 500 7407	EG 500 7408	EG 500 7409	EG 500 7410	EG 500 7413
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-13 dB
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 500 7415	EG 500 7420	EG 500 7430				
Coupling:	-15 dB	-20 dB	-30 dB				
Insertion loss:	0.05 dB	0.05 dB	0.05 dB				
Connectors:	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
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)
Product number:	EG 500 7512	EG 500 7513	EG 500 7514	EG 500 7515	EG 500 7520	EG 500 7530	
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-30 dB	
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)	



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*Brackets*

## **Brackets**

### **Description**

Bracket for splitters/tappers  
3dB combiner bracket 376-960MHz  
6dB coupler bracket  
3db bracket, 700-2700MHz  
Bracket 4-Way Splitter RF

### **Connector**

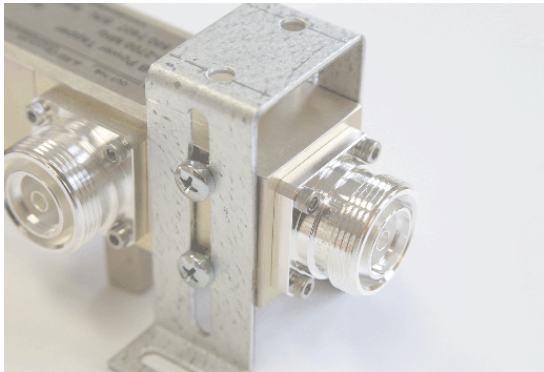
7/16(f), Nf)  
7/16(f), Nf)  
7/16(f), Nf)  
7/16(f), Nf)  
7/16(f), Nf)

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### **Ordering number**

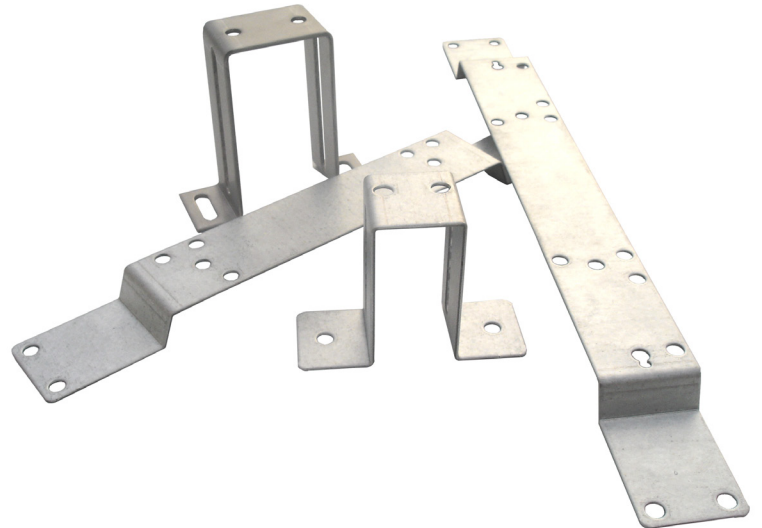
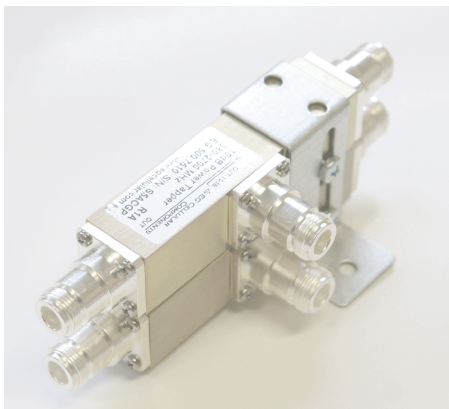
EG 699 0005  
EG 699 0006  
EG 699 0007  
EG 699 0237  
EG 699 0386

## Brackets for Power Splitters, Power Tappers, Combiners and Couplers



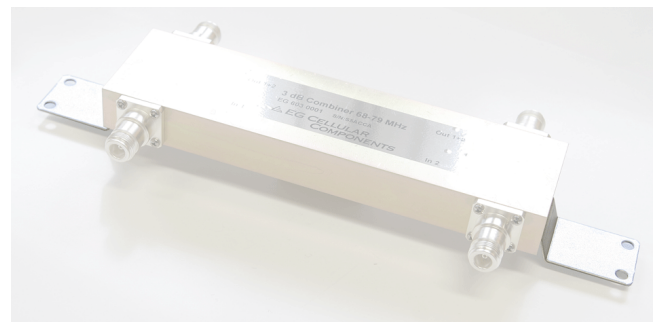
### Adjustable brackets, optimized for tunnels and harsh environments

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.

<b>Product number:</b>	EG 300 0306	EG 300 0307	EG 699 0005
<b>Mechanical Specifications</b>			
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

<b>Product number:</b>	EG 699 0006	EG 699 0007	EG 300 0386
<b>Mechanical Specifications</b>			
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 300 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)

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