



4-Way Combiner Broadband MCM
700 - 2700MHz
CDMA, GSM 900, GSM 1800, UMTS, W-LAN, LTE



Innovative design

The 4-way combiner is a broad band and low loss product design. The combiner 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 4 RBSs into the same antenna system

The 4-way combiner enables the connection of 4 Radio Base Stations. The combiner combines the signal and equally splits it between the antenna ports.

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

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 0055 | EG 603 0056 |
| Passband: | 700 - 2700 MHz | 700 - 2700 MHz |
| Isolation between ports: | ≥ 30 dB, (typ 35dB) | ≥ 30 dB, (typ 35dB) |
| Input return loss: | > 18.0 dB | > 18.0 dB |
| Coupling: | 6.4 ± 0.7 dB | 6.4 ± 0.7 dB |
| Max input power/port: | 100 W | 100 W |
| 3 rd order intermodulation: | | |
| IM3, 2 x 43 dBm: | < -107 dBm, 160 dB | < -107 dBm, 160 dB |
| Impedance in/out: | 50 Ohm | 50 Ohm |
| Mechanical Specifications | | |
| Dimensions (W x H x D): | 246 x 88 x 215 mm | 246 x 88 x 215 mm |
| Connectors: | 7/16 (f) | N (f) |
| Environmental Specifications | | |
| Temp. range (normal operation): | -30 to +70° C | -30 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.

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