



**4x4 Combiner Broadband  
380 - 3800 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 4x4 Combiner Broadband

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

### Electrical Specifications

|                                                            |                           |
|------------------------------------------------------------|---------------------------|
| Product number:                                            | EG 603 0299               |
| Passband:                                                  | 380 - 3800 MHz            |
| Isolation between ports:                                   | $\geq 28$ dB (>30 dB typ) |
| Input return loss:                                         | > 18.0 dB, typ 25dB       |
| Coupling:                                                  | $6.0 \pm 1.5$ dB          |
| Max input power/port:                                      | 300 W                     |
| 3 <sup>rd</sup> order intermodulation:<br>IM3, 2 x 43 dBm: | $\leq -110$ dBm (153 dBc) |
| Impedance in/out:                                          | 50 Ohm                    |

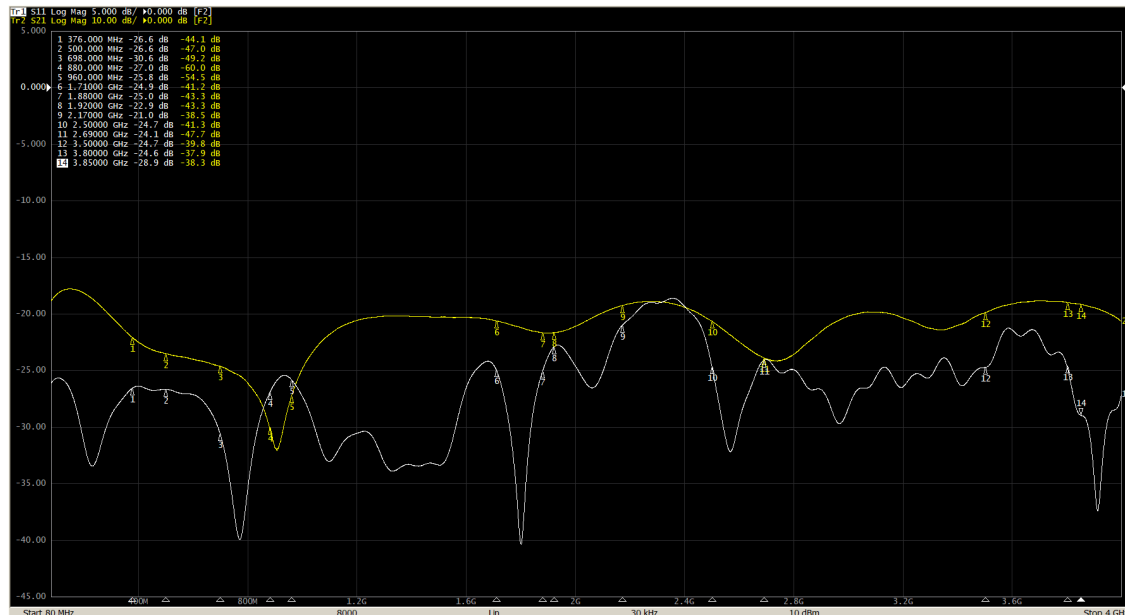
### Mechanical Specifications

|                         |                   |
|-------------------------|-------------------|
| Dimensions (W x H x D): | 390 x 65 x 100 mm |
| Weight:                 | 3.3 Kg            |
| Connectors:             | 4.3-10.0(f)       |

### Environmental Specifications

|                                 |                  |
|---------------------------------|------------------|
| Temp. range (normal operation): | -20 to +60° 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](mailto:info@egant.se)  
[www.egant.se](http://www.egant.se)