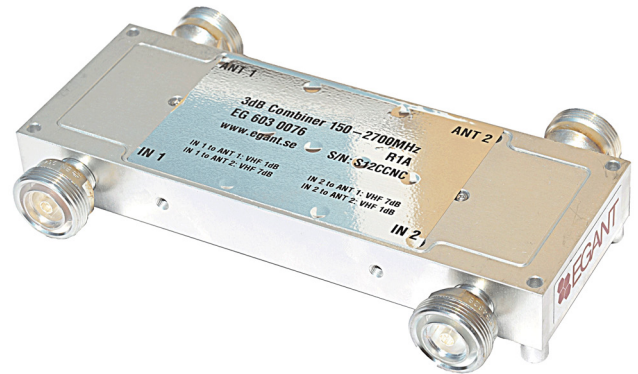


**3 dB Combiner, Broad Band
150 - 2700 MHz
VHF, TETRA, GSM900, GSM1800,
UMTS, LTE**



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 0074	EG 603 0076
Passband:	150 - 2700 MHz	150 - 2700 MHz
Isolation between ports: 150 - 2700 MHz:	≥ 24 dB (typ 30 dB)	≥ 24 dB (typ 30 dB)
Input return loss: 150 - 2500 MHz >2500 - 2700 MHz	> 18.0 dB > 16.0 dB, typ 18 dB	> 18.0 dB > 16.0 dB, typ 18 dB
Coupling:		
Input 1: 150 - 160 MHz - Ant 1	1.0 \pm 0.3 dB	1.0 \pm 0.3 dB
Input 1: 150 - 160 MHz - Ant 2	7.1 \pm 0.3 dB	7.1 \pm 0.3 dB
Input 2: 150 - 160 MHz - Ant 1	7.1 \pm 0.3 dB	7.1 \pm 0.3 dB
Input 2: 150 - 160 MHz - Ant 2	1.0 \pm 0.3 dB	1.0 \pm 0.3 dB
376 - 2500 MHz >2500 - 2700 MHz	3.1 \pm 0.3 dB 3.3 \pm 0.4 dB	3.1 \pm 0.3 dB 3.3 \pm 0.4 dB
Max input power/port:	200 W	200 W
3 rd order intermodulation: IM3, 2 x 43 dBm: Impedance in/out:	< - 150dBc 50 Ohm	< - 150dBc 50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	215 x 26 x 115 mm	215 x 26 x 115 mm
Connectors:	N (f)	7/16 (f)
Weight:	1 Kg	1 Kg
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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