



Dual Band Combiner 68 - 500 MHz / 700 - 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.

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 0115	EG 602 0120
Passband:		
Port 1: Low band	68 - 500 MHz	68 - 500 MHz
Port 2: High band	700 - 2700 MHz	700 - 2700 MHz
Insertion loss:		
Port 1: Low band - ANT	≤ 0.3 dB, typ 0,15dB	≤ 0.3 dB, typ 0,15dB
Port 2: High band - ANT	≤ 0.5 dB, typ 0.3dB	≤ 0.5 dB, typ 0.3dB
Input return loss:	> 16.0 dB, typ 20dB	> 16.0 dB, typ 20dB
Isolation between systems:		
Port 1: - ANT	≥ 50 dB	≥ 50 dB
Port 2: - ANT		
700 - 800 MHz	≥ 40 dB	≥ 40 dB
800 - 2500 MHz	≥ 50 dB	≥ 50 dB
2500 - 2700MHz	≥ 30 dB	≥ 30 dB
Max input power/port:	< 50 W	< 50W
Intermodulation:		
IM3, 2 x 43 dBm:	≤ -150 dBc	≤ -150 dBc
Impedance in/out:	50 Ohm	50 Ohm
Mechanical Specifications		
Dimensions (W x H x D):	235 x 35 x 130 mm	235 x 20 x 130 mm
Connectors:	N (f)	7/16 (f)
Weight:	1.5 kg	1.0 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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