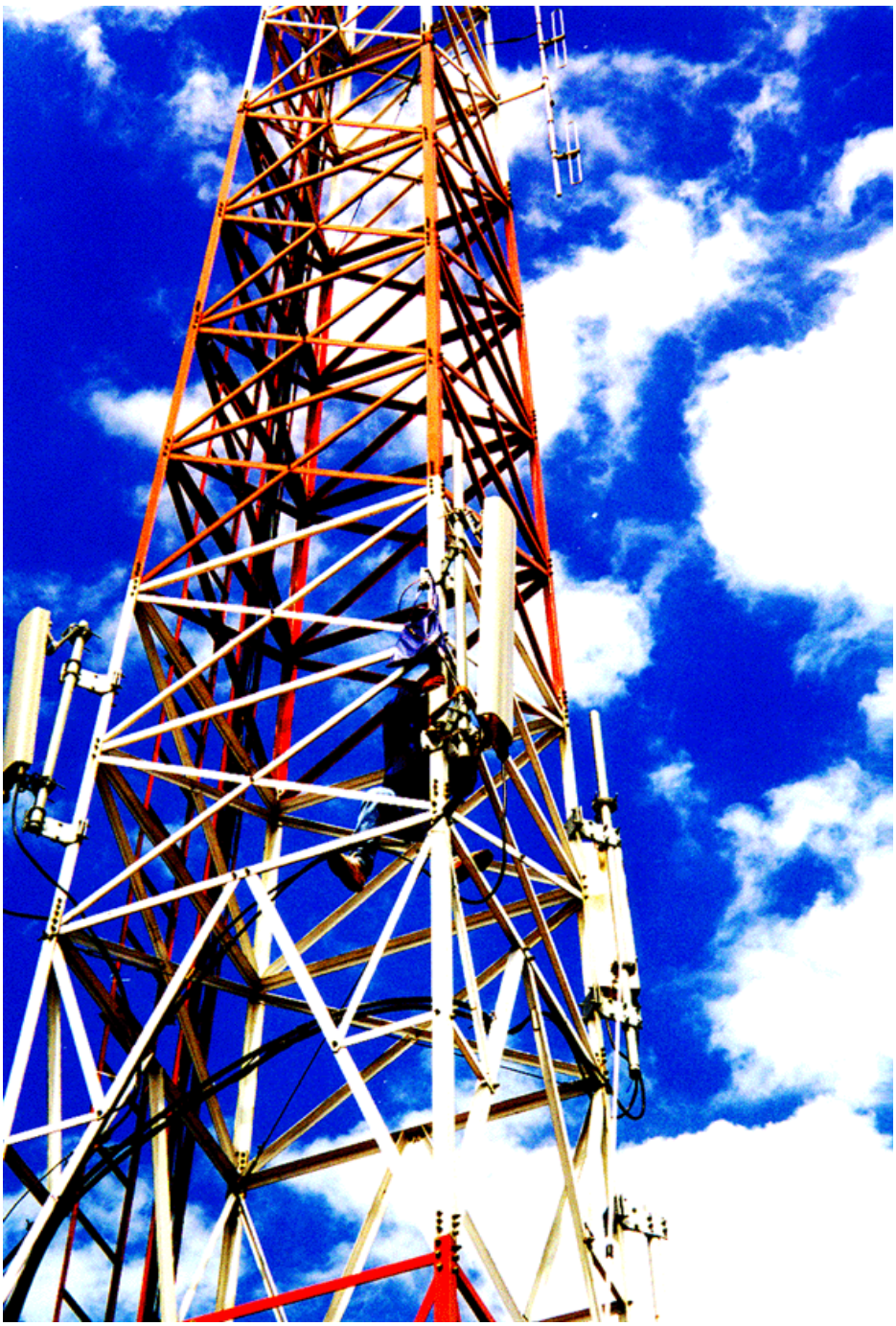
EGANT

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

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2-Way Power Splitters
Broadband
88 - 3850 MHz

Splits signals in 2-ways

The 2-way power splitters are 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, 88 - 3850 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 376 - 3850 MHz

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

Electrical Specifications	2-Way Power Splitter	2-Way Power Splitter	2-Way Power Splitter
Product number:	EG 605 0071	EG 605 0072	EG 605 0073
Passband:	88 - 3850 MHz	88 - 3850 MHz	88 - 3850 MHz
Input return loss:			
88 -376MHz	≥ 10 dB, typ 20 dB	≥ 10 dB, typ 20 dB	≥ 10 dB, typ 20 dB
376-3850MHz	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB
Split loss:	< 3.0 dB	< 3.0 dB	< 3.0 dB
Dissipative loss:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Insertion loss:	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3rd order intermodulation:			
IM3, 2 x 43 dBm:	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
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)	7/16 (f)	4.3-10 (f)
Weight:	1.2 kg	1.20 kg	1.20 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +65º C	-20 to +65º C	-20 to +65º C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
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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2-Way Power Splitters
Broadband
376 - 3850 MHz

Splits signals in 2-ways

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

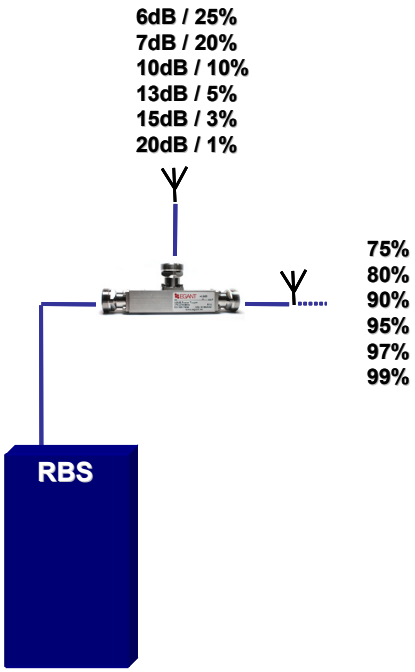
When building an indoor coverage system the splitter is often used to diverge signals between floors and antennas. The functionality of handling transmitting and receiving signals in the same path is highly beneficial as the TX signal is split up and the RX signal is combined in the same stage and component.

High bandwidth, 376 - 3850 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)



Power Tappers
376 - 5850 MHz
TETRA, 800, 900, 1800, 2100, W-LAN, 2600

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.

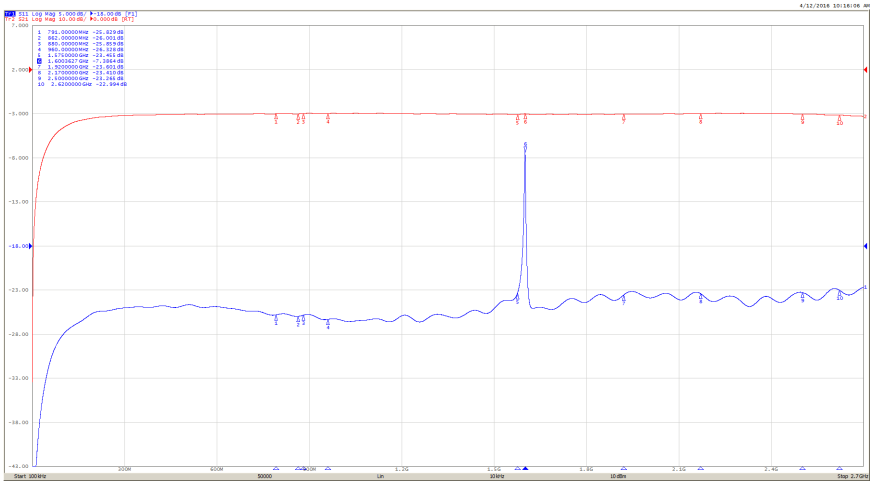
A power tapper is often used to tap off signals to antennas when building indoor or tunnel networks. The Egant Power Tapper comes in fourteen degrees of tapping, making it easy to choose the one that taps off the desired amount of power to the antenna.

Superior bandwidth, 376 - 5850MHz

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 mounting bracket EG 699 0005.



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 & 1710 - 2700 MHz, 3500 - 4500 & 4900 - 5850 MHz
Input return loss:	≥ 17.5 dB
Insertion loss:	0.05 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 26 mm
Installation support:	Brackets: EG 699 0005
3rd order intermodulation:	
IM3, 2 x 43 dBm:	< - 117 dBm / 160 dBc

Environmental Specifications

Temp. range (normal operation):	-20 to +65º C
Humidity:	Relative 5 - 95%
Sealing: N (f)	IP65
Sealing: 7/16 (f), 4.3-10.0 (f)	IP68

Product number:	EG 501 7404	EG 501 7406	EG 501 7407	EG 501 7408	EG 501 7409	EG 501 7410	EG 501 7411
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 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 501 7412	EG 501 7413	EG 501 7414	EG 501 7415	EG 501 7420	EG 501 7425	EG 501 7430
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1 dB	0.1 dB	0.1 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 501 7504	EG 501 7506	EG 501 7507	EG 501 7508	EG 501 7509	EG 501 7510	EG 501 7511
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)

Product number:	EG 501 7512	EG 501 7513	EG 501 7514	EG 501 7515	EG 501 7520	EG 501 7525	EG 501 7530
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)	N (f)

Product number:	EG 501 7604	EG 501 7606	EG 501 7607	EG 501 7608	EG 501 7609	EG 501 7610	EG 501 7611
Frequency band:	698-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-4.8 dB	-6.0 dB	-7.0 dB	-8.0 dB	-9.0 dB	-10 dB	-11 dB
IN to ANT:	1.8 dB	1.3 dB	1.0 dB	0.8 dB	0.6 dB	0.5dB	0.4 dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)

Product number:	EG 501 7612	EG 501 7613	EG 501 7614	EG 501 7615	EG 501 7620	EG 501 7625	EG 501 7630
Frequency band:	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850	376-5850
Coupling:	-12 dB	-13 dB	-14 dB	-15 dB	-20 dB	-25 dB	-30 dB
IN to ANT:	0.3 dB	0.2 dB	0.2 dB	0.1dB	0.1dB	0.1dB	0.1dB
Connectors:	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)	4.3-10.0 (f)

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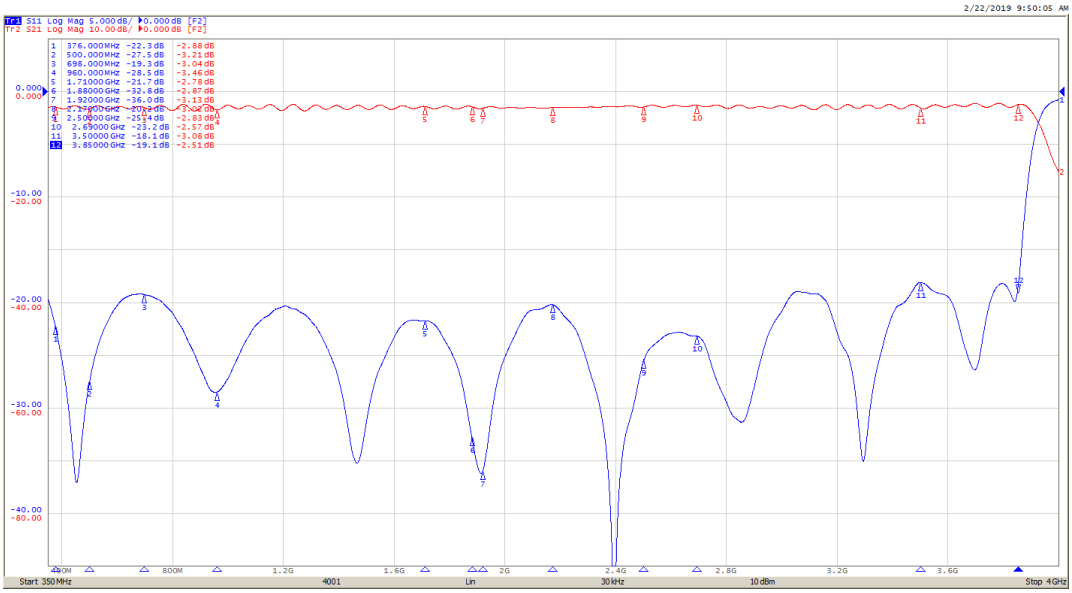
Technical Specifications for Power Splitters 376 - 3850 MHz

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

Electrical Specifications	2-Way Power Splitter	2-Way Power Splitter	2-Way Power Splitter
Product number:	EG 605 0060	EG 605 0061	EG 605 0062
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB	≥ 16 dB, typ 20 dB
Split loss:	< 3.0 dB	< 3.0 dB	< 3.0 dB
Dissipative loss:	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Insertion loss:	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB
Max input power/port:	500 W avg. 3 kW peak	500 W avg. 3 kW peak	500 W avg. 3 kW peak
3rd order intermodulation: IM3, 2 x 43 dBm:	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)	≤-110 dBm (153dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
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)	7/16 (f)	4.3-10 (f)
Weight:	1.2 kg	1.20 kg	1.20 kg
Environmental Specifications			
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
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

Egant reserves the right to change this product specification at any time without notice.



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3 dB Combiner, Broad Band

376 - 3850 MHz
TETRA, 700, 800, 900, 1800, 2100, 2600, 3500

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:

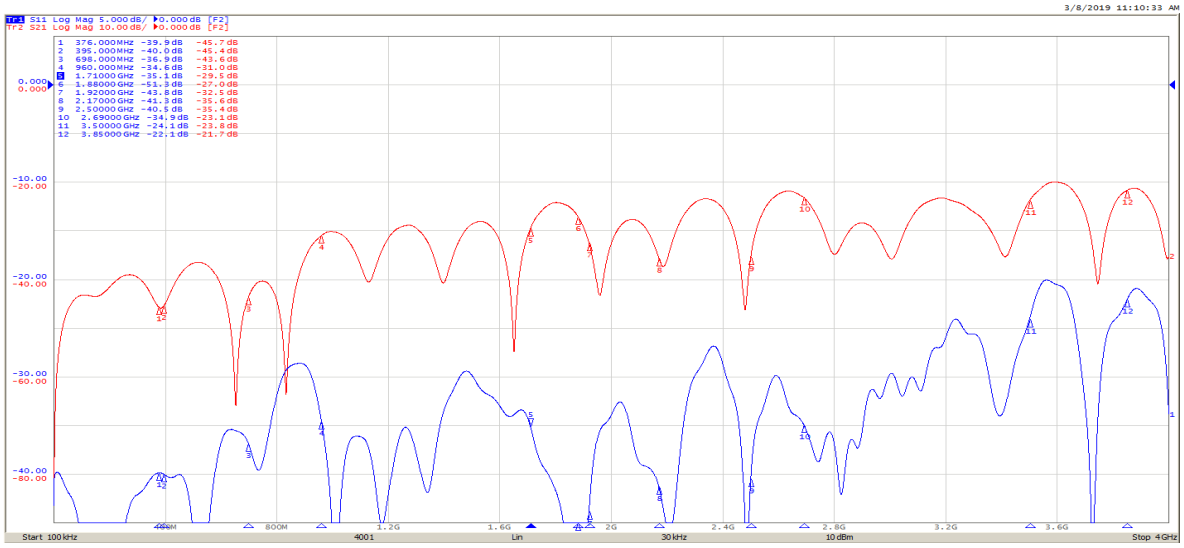
- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

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 0150	EG 603 0151	EG 603 0152
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Isolation between ports:			
376 - 960 MHz:	≥ 25 dB, typ 30 dB	≥ 25 dB, typ 30 dB	≥ 25 dB, typ 30 dB
1710 - 3850 MHz:	≥ 20 dB, typ 25dB	≥ 20 dB, typ 25dB	≥ 20 dB, typ 25dB
Input return loss:	> 18.0 dB, typ 28dB	> 18.0 dB, typ 28dB	> 18.0 dB, typ 28dB
Coupling:			
376 - 1500 MHz:	3.2 +/- 0.6 dB	3.2 +/- 0.6 dB	3.2 +/- 0.6 dB
1500 - 2500 MHz:	3.6 +/- 0.9 dB	3.6 +/- 0.9 dB	3.6 +/- 0.9 dB
2500 - 2690 MHz:	3.7 +/- 0.8 dB	3.7 +/- 0.8 dB	3.7 +/- 0.8 dB
3500 - 3850 MHz:	3.9 +/- 1.0 dB	3.9 +/- 1.0 dB	3.9 +/- 1.0 dB
Max input power/port:	150 W	150 W	150 W
3rd order intermodulation:			
IM3, 2 x 43 dBm:	≤ - 110 dBm, 153dBc	≤ - 110 dBm, 153dBc	≤ - 110 dBm, 153dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	214 x 30 x 122 mm	214 x 30 x 122 mm	214 x 30 x 122 mm
Connectors:	N (f)	7/16 (f)	4.3-10.0 (f)
Environmental Specifications			
Temp. range (normal operation):	-20 to +65° C	-20 to +65° C	-20 to +65° C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



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Made in Sweden

RevA

3 dB Combiner, Broad Band

376 - 6000 MHz
TETRA, 700, 800, 900, 1800, 2100, 2600, 3500-3850, 5500-6000

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:

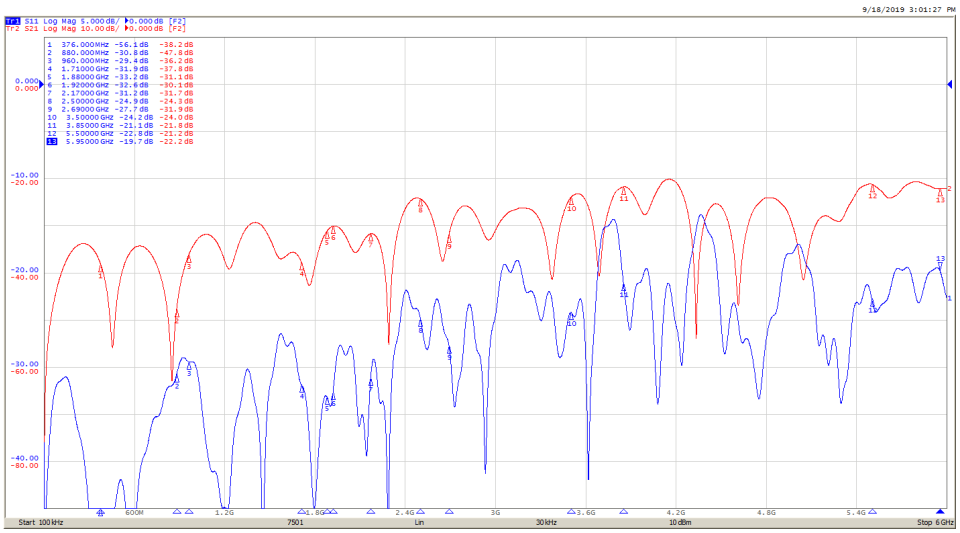
- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

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 0167	EG 603 0168	EG 603 0169
Passband:	376 - 6000 MHz	376 - 6000 MHz	376 - 6000 MHz
Isolation between ports:			
376 - 1500 MHz:	≥ 28 dB, typ 35 dB	≥ 28 dB, typ 35 dB	≥ 28 dB, typ 35 dB
>1500 - 2700 MHz:	≥ 23 dB, typ 26dB	≥ 23 dB, typ 26dB	≥ 23 dB, typ 26dB
>2700 - 4200 MHz	≥ 20 dB, typ 25dB	≥ 20 dB, typ 25dB	≥ 20 dB, typ 25dB
5500 - 6000 MHz	≥ 18 dB	≥ 18 dB	≥ 18 dB
Input return loss:	> 18.0 dB, typ 24dB	> 18.0 dB, typ 28dB	> 18.0 dB, typ 28dB
Coupling:			
376 - 1500 MHz:	3.2 +/- 0.5 dB	3.2 +/- 0.5 dB	3.2 +/- 0.5 dB
1500 - 2500 MHz:	3.4 +/- 0.5 dB	3.4 +/- 0.5 dB	3.4 +/- 0.5 dB
2500 - 2690 MHz:	3.5 +/- 0.6 dB	3.5 +/- 0.6 dB	3.5 +/- 0.6 dB
2700 - 4200 MHz	3.6 +/- 0.7 dB	3.6 +/- 0.7 dB	3.6 +/- 0.7 dB
5500 - 6000 MHz:	3.6 +/- 1.0 dB	3.6 +/- 1.0 dB	3.6 +/- 1.0 dB
Max input power/port:	150 W	150 W	150 W
3rd order intermodulation:			
IM3, 2 x 43 dBm:	≤ - 110 dBm, 153dBc	≤ - 110 dBm, 153dBc	≤ - 110 dBm, 153dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	214 x 30 x 122 mm	214 x 30 x 122 mm	214 x 30 x 122 mm
Connectors:	N (f)	7/16 (f)	4.3-10.0 (f)
Environmental Specifications			
Temp. range (normal operation):	-20 to +65º C	-20 to +65º C	-20 to +65º C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

Egant reserves the right to change this product specification at any time without notice.



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Made in Sweden

RevA

3x3 Combiner 4.8dB
376 - 2700 MHz

Combines up to 3 RBSs into the same antenna system

The 3x3 combiner enables the connection of 3 Radio Base Stations to the combiner. 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 RBSs to the shared antennas.

Innovative design

The 3x3 combiner is a broad band and low loss product design. It is intentionally designed for low insertion loss and low intermodulation.

The benefits of using our 3x3 combiner are:

- Lower insertion loss
- Fewer system components
- Superior antenna isolation
- Greater system quality
- Cost effective design improvement

Technical Specifications for the 3x3 Combiner

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

Electrical Specifications			
Product number:	EG 603 0147	EG 603 0148	EG 603 0149
Passband:	376 - 2700 MHz	376 - 2700 MHz	376 - 2700 MHz
Coupling: (698 - 2200 MHz)	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB	5.0 +/- 0.8 dB
Coupling: (2200 - 2700 MHz)	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB	5.3 +/- 1.3 dB
Input return loss:	> 20.0 dB	> 20.0 dB	> 20.0 dB
Isolation between ports:	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)	> 23 dB (28 dB typ.)
Intermodulation 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Max input power/port:	150 W	150 W	150 W
Max peak power:	3 kW	3 kW	3 kW
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	204 x 32 x 140 mm	204 x 25 x 140 mm	204 x 25 x 140 mm
Connectors:	N(f)	7/16 (f)	4.3-10.0 (f)
Weight:	1.6 kg	1.4 kg	1.5 kg
Environmental Specifications			
Temp. range (normal operation):	-35 to +65º C	-35 to +65º C	-35 to +65º C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67	IP67

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Made in Sweden

4-4 Combiner Broadband
376 - 2700 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 4-Way Combiner Broadband (MCM)

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

Electrical Specifications	
Product number:	EG 603 0146
Passband:	376 - 2700 MHz
Isolation between ports:	≥ 20 dB (30 dB typ)
Input return loss:	> 16.0 dB
Coupling:	6.4 ± 1.3 dB
Max input power/port:	150 W
3rd order intermodulation:	
IM3, 2 x 43 dBm:	≤-110 dBm (153 dBc)
Impedance in/out:	50 Ohm
Mechanical Specifications	
Dimensions (W x H x D):	365 x 55 x 164 mm
Connectors:	4.3-10.0(f) (f)
Environmental Specifications	
Temp. range (normal operation):	-20 to +65º C
Humidity:	Relative 5 - 95%
Sealing:	IP65

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6dB, 7dB, 10dB, 13dB, 15dB, 20dB, 30 dB Directional Coupler

376 - 3850MHz

Tapps off 6 , 7, 10, 13, 15, 20, 30dB of the signal

The coupler is designed to tapp off a portion the signal in one direction and allow the rest of the signal to pass through with minimum of loss.

When building a indoor coverage system the Coupler is often used to tapp off signals to antennas. The functionality of handling both transmit and receiving signals in the same path is very beneficial.

Broad Band, 376 - 3850MHz

The broadband Coupler is designed both electrically and mecha nically to be used for indoor and outdoor applications.

Desin Focus:

- Higher antenna isolation
- Lower insertion loss
- Fewer system components
- Higher system quality
- Cost-effective design improvement

Technical Specifications for the Coupler 6dB, 7dB, 10dB, 13dB, 15dB, 20dB, 30dB

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

Electrical Specifications				
Product number:	EG 603 0202	EG 603 0203	EG 603 0204	EG 603 0205
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<1.4 ± 0.5 dB	<1.3 ± 0.5dB	<0.5 ± 0.5dB	<0.5 ± 0.5dB
Coupling:				
376 - 500MHz	-8.0 ± 0.8 dB	-9.0 ± 1.0 dB	-12.0 ± 1.0 dB	-12.5 ± 1.0 dB
700 - 3850MHz	-6.0 ± 0.8 dB	-7.0 ± 0.8 dB	-10.0 ± 0.8 dB	-13.0 ± 0.8 dB
Directivity:				
376 - 2700MHz	>20dB	>20dB	>20dB	>20dB
2700 - 3850MHz	>17dB	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W	200 W
3rd order intermodulation:				
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg	0.8 Kg

Electrical Specifications			
Product number:	EG 603 0206	EG 603 0207	EG 603 0208
Passband:	376 - 3850 MHz	376 - 3850 MHz	376 - 3850 MHz
Input return loss:	> 18.0 dB	> 18.0 dB	> 18.0 dB
Insertion loss:	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB	<0.1 ± 0.5 dB
Coupling:			
376 - 500MHz	-14.5 ± 1.0 dB	-22.0 ± 1.0 dB	-31.5 ± 1.0 dB
700 - 3850MHz	-15.0 ± 0.8 dB	-20.0 ± 0.8 dB	-30.0 ± 1.5 dB
Directivity:			
376 - 500MHz	>20dB	>20dB	>20dB
700 - 3850MHz	>17dB	>17dB	>17dB
Max input power:	200 W	200 W	200 W
3rd order intermodulation:			
IM3, 2 x 43 dBm:	-155 dBc	-155 dBc	-155 dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications			
Dimensions (W x H x D):	140 x 23 x 66 mm	140 x 23 x 66 mm	140 x 23 x 66 mm
Connectors:	4.3-10(f)	4.3-10(f)	4.3-10(f)
Weight:	0.8 Kg	0.8 Kg	0.8 Kg
Environmental Specifications			
Temp. range (normal operation):	-25 to +55º C	-25 to +55º C	-25 to +55º C
Humidity:	Relative 5 - 95%	Relative 5 - 95%	Relative 5 - 95%
Sealing:	IP65	IP65	IP65

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Cable Load 5W - 40W
Intermodulation -165dBc
88 - 3800 MHz, 4.3-10.0
Indoor

High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremley low Intemodulation figures, when terminating ports.

Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 5W - 40W

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

Electrical Specifications				
Product number:	**EG 607 0319**	**EG 607 0320**	**EG 607 0321**	**EG 607 0322**
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700 -3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	**5 W**	**10 W**	**20 W**	**40 W**
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:				
	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg

Electrical Specifications				
Product number:	**EG 607 0323**	**EG 607 0324**	**EG 607 0325**	**EG 607 0326**
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700-3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	**5 W**	**10 W**	**20 W**	**40 W**
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:				
	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	**4.3-10.0 (f)**	**4.3-10.0 (f)**	**4.3-10.0 (f)**	**4.3-10.0 (f)**
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg

Environmental Specifications				
Sealing:	Indoor	Indoor	Indoor	Indoor

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Made in Sweden

Cable Load 60W - 200W
Intermodulation -165dBc
88 - 3800 MHz, 4.3-10.0(m)

High performance Cable Load

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Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 60W - 200W

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

Electrical Specifications				
Product number:	**EG 607 0315**	**EG 607 0316**	**EG 607 0317**	**EG 607 0318**
Frequency band:	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz	88 - 3800 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
2700 -3800MHz	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB	20dB, typ 25dB
Power Rating:	**60 W**	**100 W**	**150 W**	**200 W**
Max input power:				
3rd order intermodulation:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
IM3, 2 x 43 dBm:				
	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Impedance in/out:				
Mechanical Specifications				
Dimensions (W x H x D) mm:	200 x 100 x 100	240 x 100 x 140	300 x 100 x 140	300 x 100 x 160
Connectors:	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**
Weight:	2,4 Kg	2.8 Kg	3.5 Kg	3,8 Kg

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Cable Load 5W - 40W
Intermodulation -165dBc
88 - 2700 MHz, 4.3-10.0
IP67

High performance Cable Load

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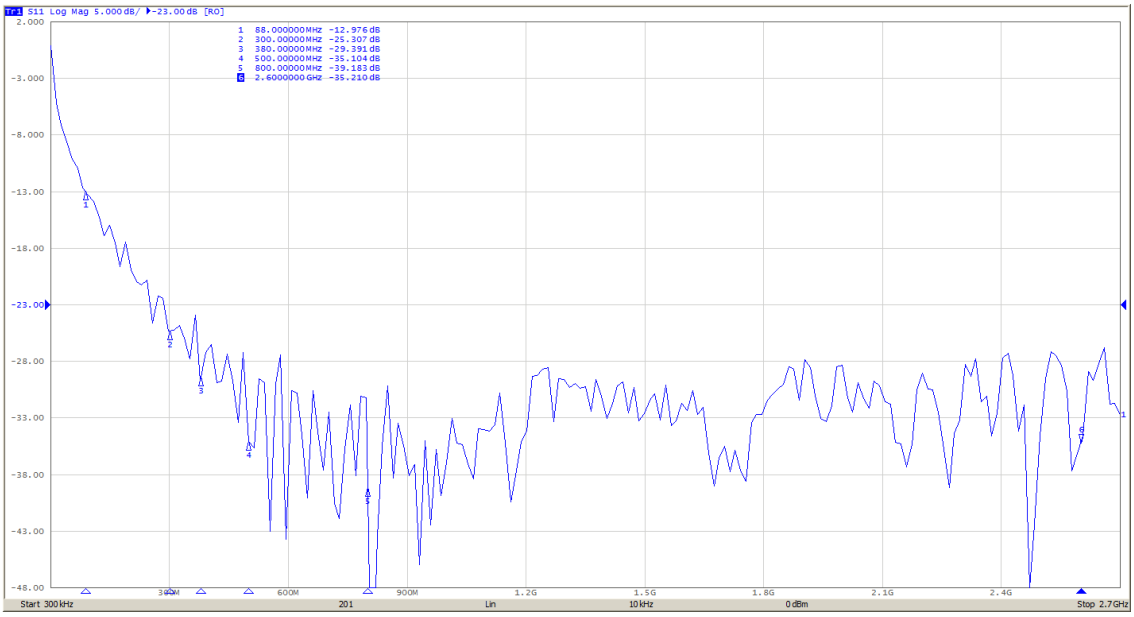
Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.



Technical Specifications for Cable Load 5W - 40W

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

Electrical Specifications				
Product number:	**EG 607 0291**	**EG 607 0292**	**EG 607 0293**	**EG 607 0294**
Frequency band:	88 - 2700 MHz	88 - 2700 MHz	88 - 2700 MHz	88 - 2700 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
Power Rating:				
Max input power:	**5 W**	**10 W**	**20 W**	**40 W**
3rd order intermodulation:				
IM3, 2 x 43 dBm:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**	**4.3-10.0 (m)**
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg

Electrical Specifications				
Product number:	**EG 607 0295**	**EG 607 0296**	**EG 607 0297**	**EG 607 0298**
Frequency band:	88 - 2700 MHz	88 - 2700 MHz	88 - 2700 MHz	88 - 2700 MHz
Input Return Loss:				
88-300MHz	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB	12 dB, typ 16dB
300-500MHz	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB	20 dB, typ 25dB
500-2700MHz	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB	23 dB, typ 28dB
Power Rating:				
Max input power:	**5 W**	**10 W**	**20 W**	**40 W**
3rd order intermodulation:				
IM3, 2 x 43 dBm:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	103 x 50 mm	153 x 50 mm	183 x 50 mm	203x 50 mm
Connectors:	**4.3-10.0 (f)**	**4.3-10.0 (f)**	**4.3-10.0 (f)**	**4.3-10.0 (f)**
Weight:	1,8 Kg	2.2 Kg	2.4 Kg	3,1 Kg

Environmental Specifications	
Temp. range (normal operat.):	-20 to + 40º C
Humidity:	Relative 5 - 100%
Sealing:	IP67

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Cable Load 20W - 150W
Intermodulation -165dBc
698 - 2700 MHz, 4.3-10.0

High performance Cable Load

In order to get maximum performance from our products, use the Egant high performance cable load with extremley low Intemodulation figures, when terminating ports.

Intermodulation, -165dBc

The cable loads are electrically and mechanically designed to be used for indoor and outdoor applications. Their broad bandwidth range makes it possible to use them in almost all types of cellular systems.

Technical Specifications for Cable Load 20W - 150W

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

Electrical Specifications				
Product number:	EG 607 0260	EG 607 0261	EG 607 0262	EG 607 0263
Frequency band:	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz	698 - 2700 MHz
Input Return Loss:	23 dB, typ 25dB	23 dB, typ 25dB	23 dB, typ 25dB	23dB, typ 25dB
Power Rating: Max input power:	20 W	40 W	60 W	100W
3rd order intermodulation: IM3, 2 x 43 dBm:	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc	<-122 dBm,165dBc
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Mechanical Specifications				
Dimensions (W x H x D):	95 x 45 x 45 mm	95 x 50 x 50 mm	180 x 95 x 95 mm	180 x 95 x 95 mm
Connectors:	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)	4.3-10.0 (m)
Weight:	1.2 Kg	2.0 Kg	2.2 Kg	2,8 Kg
Environmental Specifications				
Temp. range (normal operat.):	-20 to + 55º C	-20 to + 55º C	-20 to + 55º C	-20 to + 55º C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP67	IP67	IP67	IP67

Electrical Specifications	
Product number:	EG 607 0264
Frequency band:	698 - 2700 MHz
Input Return Loss:	23 dB, typ 25dB
Power Rating: Max input power:	150 W
3rd order intermodulation: IM3, 2 x 43 dBm:	<-122 dBm,165dBc
Impedance in/out:	50 Ohm
Mechanical Specifications	
Dimensions (W x H x D):	180 x 95 x 95 mm
Connectors:	4.3-10.0 (m)
Weight:	3.5 Kg
Environmental Specifications	
Temp. range (normal operat.):	-20 to + 55º C
Humidity:	Relative 5 - 100%
Sealing:	IP67

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