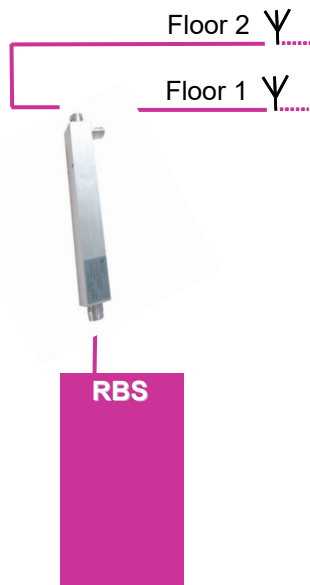


**Power Splitters, Broadband**  
**376 - 2200 MHz**  
**TETRA, NMT, LTE800, LTE900**  
**GSM900, LTE1800, GSM1800,**  
**LTE2100, UMTS2100**



**Splits signals in 2, 3 or 4 ways**

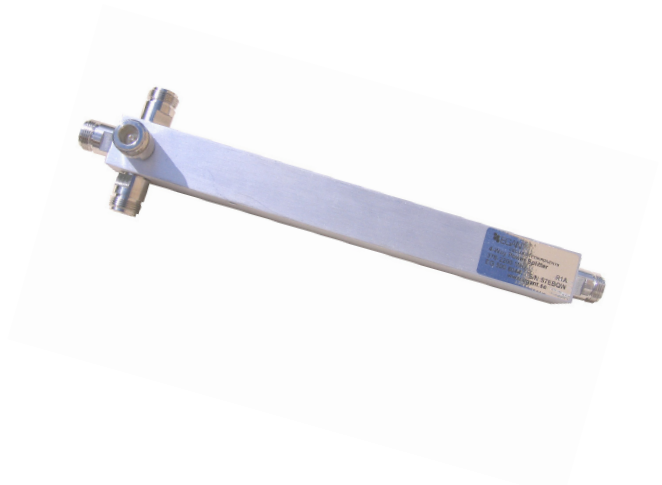
The power splitter is designed to equally split one input signal into 2, 3 or 4 outputs. When building an indoor coverage system the splitter is often used to split signals between floors and antennas. The functionality of handling both transmitting and receiving signals in the same path is highly beneficial since the TX signal is split and the RX signal is combined in the same stage and component.

**TETRA, 376 - 2200 MHz**

The 2-way, 3-way and 4-way power splitters are individually designed to be used with TETRA, NMT, LTE800, LTE900, GSM900, LTE1800, GSM1800, LTE2100 and UMTS2100.

**Design highlights:**

- Low insertion loss
- Low intermodulation
- Easy installation
- No active components (robust design)



## Technical Specifications for Power Splitters

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

<b>Electrical Specifications</b>			
Product number:	EG 500 8032	EG 500 8033	EG 500 8034
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss: 376 - 2200 MHz	376 - 2200 MHz ≥ 18 dB, typ 24 dB	376 - 2200 MHz ≥ 18 dB, typ 24 dB	376 - 2200 MHz ≥ 18 dB, typ 24 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss: 376 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB
Max input power/port:	700 W avg. 3 kW peak	700 W avg. 3 kW peak	700 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	267 x 57 x 27 mm	26 x 57 x 90 mm	267 x 60 x 90 mm
Connectors:	7/16 (f)	7/16 (f)	7/16 (f)
Weight:	1.12 kg	1.20 kg	1.20 kg
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP68	IP68	IP68
Installation support:	EG 699 0005 Bracket, aluminum	EG 699 0005 Bracket, aluminum	EG 699 0386 Bracket, stainless steel
<b>Electrical Specifications</b>			
Product number:	EG 500 8042	EG 500 8043	EG 500 8044
Passband:	2-Way Splitter	3-Way Splitter	4-Way Splitter
Input return loss: 376 - 2200 MHz	376 - 2200 MHz ≥ 18 dB, typ 24 dB	376 - 2200 MHz ≥ 18 dB, typ 24 dB	376 - 2200 MHz ≥ 18 dB, typ 24 dB
Split loss:	< 3.0 dB	< 4.7 dB	< 6.0 dB
Dissipative loss: 376 - 2200 MHz	≤ 0.05 dB	≤ 0.05 dB	≤ 0.05 dB
Max input power/port:	700 W avg. 3 kW peak	700 W avg. 3 kW peak	700 W avg. 3 kW peak
3 <sup>rd</sup> order intermodulation: IM3, 2 x 43 dBm:	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)	≤ -110 dBm (153 dBc)
Impedance in/out:	50 Ohm	50 Ohm	50 Ohm
<b>Mechanical Specifications</b>			
Dimensions (W x H x D):	252 x 26 x 50 mm	252 x 26 x 70 mm	252 x 50 x 70 mm
Connectors:	N (f)	N (f)	N (f)
Weight:	0.45 kg	0.50 kg	0.55 kg
<b>Environmental Specifications</b>			
Temp. range (normal operation):	-35 to +70°C	-35 to +70°C	-35 to +70°C
Humidity:	Relative 5 - 100%	Relative 5 - 100%	Relative 5 - 100%
Sealing:	IP65	IP65	IP65
Installation support:	EG 699 0005 Bracket, aluminum	EG 699 0005 Bracket, aluminum	EG 699 0386 Bracket, stainless steel

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

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