



16-way Single Passive Combiner

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters.
- High resilience RF distribution where single points of failure must be minimised .
- Redundancy applications for remote satellite teleports.



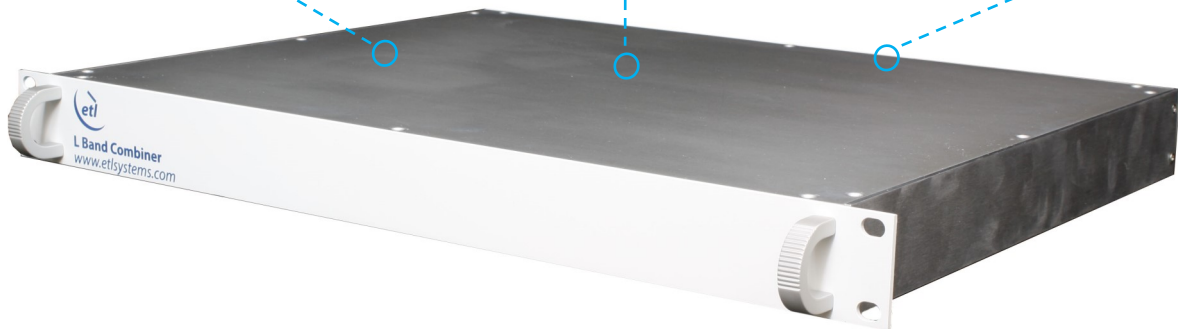
Passive combiner with no active components



850 - 2150 MHz operating frequency range.



DC Pass on all ports



Compact 16 way combiner housed in a 1U high chassis





Technical specifications and operating parameters

RF Parameters							Environmental									
Capacity	16 way combiner						Operating temperature	0 to 45°C								
Frequency Range	850 to 2150 MHz (L-band)						Location	Indoor use only								
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	Storage temperature	-20°C to +75°C									
Insertion Loss	15.5±0.5 dB	15.5±0.5 dB	15.5±0.5 dB	15.5±1.0 dB	15.5±1.0 dB	Humidity	20 to 90% non-condensing									
Gain Flatness	Full band	±1.2 dB	±1.3 dB	±1.5 dB	±1.8 dB	±2.0 dB	Altitude	10,000 feet AMSL								
	Any 36MHz	±0.25 dB	±0.25 dB	±0.5 dB	±0.75 dB	±1.0 dB										
Input Return Loss	Typical	18 dB	18 dB	18 dB	14 dB	14 dB	<table border="1"> <thead> <tr> <th colspan="2">Physical</th> </tr> </thead> <tbody> <tr> <td>Dimensions</td> <td>1U high x 350mm deep x 19" wide</td> </tr> <tr> <td>Weight</td> <td>5 kg</td> </tr> <tr> <td>Colour</td> <td>White 00-E-55 semi-gloss</td> </tr> </tbody> </table>		Physical		Dimensions	1U high x 350mm deep x 19" wide	Weight	5 kg	Colour	White 00-E-55 semi-gloss
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Weight	5 kg															
Colour	White 00-E-55 semi-gloss															
Minimum	12 dB	12 dB	12 dB	9 dB	9 dB											
Output Return Loss	Typical	15 dB	15 dB	15 dB	14 dB	14 dB										
	Minimum	10 dB	10 dB	10 dB	9 dB	9 dB										
DC Pass	All ports			Max 18V & 500mA												
Isolation	23 dB			Maximum, between any two input ports												
Input RF Power	+ 43 dBm (20 W)			Absolute maximum												

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

