



8-way Single L-band Passive Splitter/Combiner

Typical applications:

- Satellite operators, VSAT teleports & broadcasters.
- Compact form factor provides a space saving solution.



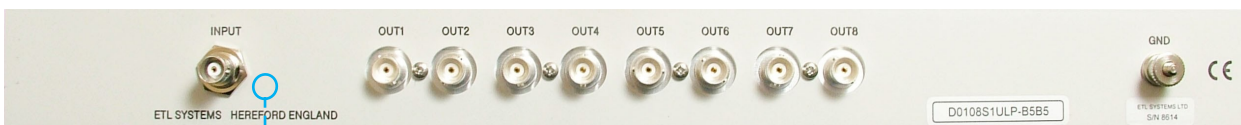
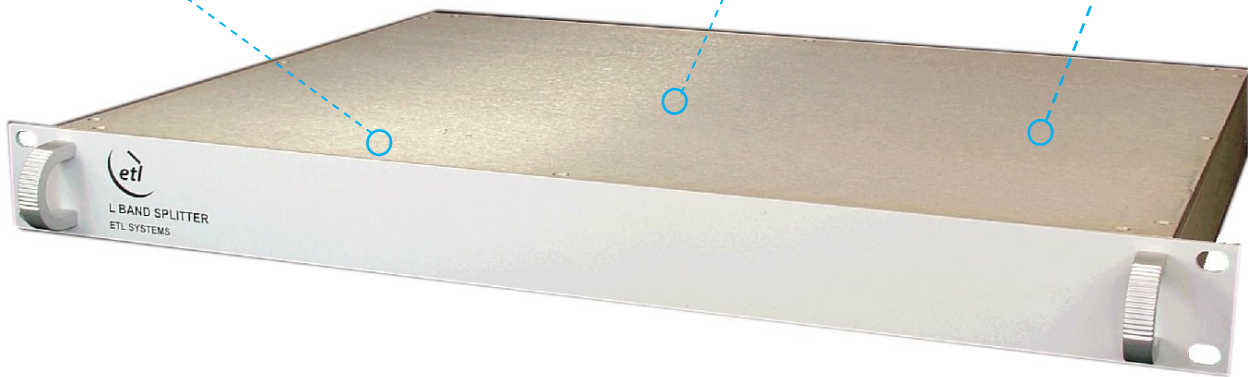
Passive splitter/combiner with no active components



850 - 2150 MHz operating frequency range.



DC Pass on all ports



Compact 8 way splitter/combiner housed in a 1U high chassis





Technical specifications and operating parameters

PRELIMINARY

RF Parameters						
Capacity	8-way Splitter					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	10.5 ± 1.0 dB Mean across band					
Gain Flatness	Full Band	± 1.0 dB	± 1.0 dB	± 1.0 dB	± 1.2 dB	± 1.2 dB
	Any 36 MHz	± 0.25 dB	± 0.25 dB	± 0.25 dB	± 0.50 dB	± 0.50 dB
Input Return Loss	Typical	16 dB	16 dB	16 dB	14 dB	14 dB
	Minimum	14 dB	13 dB	12 dB	8 dB	8 dB
Output Return Loss	Typical	21 dB	21 dB	21 dB	16 dB	16 dB
	Minimum	16 dB	16 dB	14 dB	10 dB	10 dB
Group Delay Variation	Full Band	6 ns maximum				
	Any 36 MHz	1 ns maximum				
Isolation	22 dB		Minimum, between any two output ports.			

Environmental	
Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing
Altitude	10,000 feet AMSL

Power	
LNB Power	None
PSU	None

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	5 kg
Colour	White 00-E-55 semi-gloss

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.

