



Model Number: D0108D1ULP-22429-xxxx

8-way Dual L-band Passive Splitter/ Combiner

With DC & 10MHz pass on port 1 only



Front view of D0108D1ULP-22429-xxxx

This dual 8-way passive L-band splitter/combiner unit contains two 8-way splitter/combiner modules and operates over the L-band frequency range of 850-2150 MHz. It is housed in a compact 1U high, 19" rack mountable shelf, with RF output connectors mounted on to the front panel, and the input connectors mounted on to the rear panel.

This unit passes DC and 10 MHz on 1 port only. As this is a passive unit it may be used as either a splitter or a combiner.



Rear view of D0108D1ULP-22429-xxxx

This unit is available in a variety of impedances and connector types (model numbers will vary).

Benefits & features:

- Dual 8-way L-band (850-2150 MHz) Passive Splitter/Combiner
- Rear mounted input ports & front mounted output ports for ease of use
- DC & 10 MHz pass on 1 port only

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.



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Dual 8-way L-band Passive Splitter with DC & 10MHz pass on port 1 only

Technical specifications and operating parameters

RF Parameters						
Capacity	Dual 8 way Splitter					
Frequency Range	850-2150MHz (L-Band)					
Connector & impedances	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	10.5 ± 1.0 dB	10.5 ± 1.0 dB	10.6 ± 1.0 dB	10.8 ± 1.0 dB	11.0 ± 1.0 dB	
Flatness	± 1.0 dB	± 1.0 dB	± 1.5 dB	± 1.8 dB	± 1.8 dB	
Input return loss	Typical	18 dB	16 dB	14 dB	14 dB	12 dB
	Minimum	14 dB	14 dB	12 dB	8 dB	8 dB
Output return loss	Typical	18 dB	16 dB	14 dB	12 dB	12 dB
	Minimum	14 dB	14 dB	12 dB	8 dB	8 dB
10MHz Pass	Port 1 only					
DC Pass	Port 1 only					
Isolation	20 dB					
Input RF Power	+37 dBm	Absolute maximum				

Environmental		
Operating temperature	0 to 45°C	
Location	Indoor use only	
Storage temperature	-20°C to +75°C	
Humidity	20 to 90% non-condensing	Relative Humidity

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	3.5 kg
Colour	White 00-E-55 semi-gloss

PRELIMINARY SPECIFICATIONS