



32-way Single L-band Passive Splitter / Combiner

With DC Block & 10 MHz Block on all ports

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 Block on all ports



10 MHz Blocked on all ports



Compact 32-way splitter/combiner housed in a 2U high chassis



Technical specifications and operating parameters

RF Parameters						
Capacity	32-way Splitter					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors & Impedances	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	18.0 ± 1.0 dB			Mean across board		
Gain Flatness	Full Band	± 1.3 dB	± 1.3 dB	± 1.3 dB	± 1.4 dB	± 1.5 dB
	Any 36 MHz	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.4 dB	± 0.5 dB
Common Return Loss	Typical	16 dB	16 dB	16 dB	12 dB	12 dB
	Minimum	11 dB	11 dB	10 dB	8 dB	8 dB
Multi Return Loss	Typical	20 dB	20 dB	20 dB	12 dB	12 dB
	Minimum	14 dB	14 dB	14 dB	8 dB	8 dB
Group Delay Variation	Full Band	2 ns Maximum				
	Any 36 MHz	1 ns Maximum				
Isolation	Typical	30 dB			Minimum between any two multi ports	
	Minimum	23 dB				
10 MHz Rejection	> 80 dB					
Input RF Power	16 dBm		Absolute maximum			

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 (above mean sea level)

Power	
AC Consumption	None
LNB Power	None
PSU Power	None
PSU Redundancy	None
Display & Control	None

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	TBC
Colour	RAL9003 - White (Semi-Matte)

Preliminary Specifications

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.