



# 16-way Single L-band Active Splitter

with  $-2-28$  dB variable gain,  $0-8$  dB variable slope compensation, dual redundant, hot-swap amplifiers & hot-swap power supplies

**Typical applications:**

- Satellite operators, VSAT, teleports and broadcasters
- High resilience RF distribution where optimum satellite signal quality is required
- Teleports with limited rack space

**Resilience** from dual redundant, hot-swap power supplies

**Variable Gain & Slope Compensation** to balance input signals

**Local control & monitoring** via front panel LCD & keypad

**Resilience** from dual redundant, hot-swap amplifier modules



**850-2150 MHz** operating frequency range

**Compact** housed in a 1U high chassis

**Dry contact alarm** For summary alarm status

**Remote control & monitoring** via RJ45 Ethernet port with SNMP & web browser interface



**Technical specifications and operating parameters**

RF Parameters					
Capacity	16 way Splitter		Single input		
Frequency Range	850-2150 MHz (L-band)				
Gain	Maximum	28 ± 2 dB			
	Minimum	-2 ± 2 dB			
Gain Flatness	Full band	±1.50 dB		At 0 dB slope setting	
	Any 36MHz	±0.25 dB			
Slope Range	0 to 8 dB				
Slope Settings	1±0.25 dB		Mean slope		
RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type	
Input Return Loss	Typical	18 dB	18 dB	12 dB	12 dB
	Minimum	14 dB	14 dB	8 dB	8 dB
Output Return Loss	Typical	18 dB	18 dB	12 dB	12 dB
	Minimum	14 dB	14 dB	8 dB	8 dB
Isolation	>22 dB between any RF ports				
Noise Figure At max gain and 0 dB slope setting	Typical	10.0 dB			
	Maximum	12.0 dB			
1 dB GCP At max gain and 0 dB slope setting	Typical	+1 dBm			
	Minimum	-1 dBm			
OIP3 At max gain and 0 dB slope setting	≥ +17 dBm				
OIP2 At max gain and 0 dB slope setting	Typical	+31 dBm			
	Minimum	+27 dBm			
Max Input Level	+20 dBm				
In band, signal independent spuri	< -85 dBm				

Environmental	
Operating temperature	0 to 55°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		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	<50W	Max. consumption at steady state
PSU	Dual redundant	Dual IEC inlet
Hot-swap PSU	Yes	

System Control	
Local Control	Via Front Panel LCD and push buttons
Remote Control	Via RJ45 Ethernet port 10BaseT/100BaseTx. TCP/IP, SNMP & Web browser interface.
Alarms	Dry contact, change-over via 9-way D-type on summary alarm. Ethernet (RJ45) for PSU & Amp. status

Physical	
Dimensions	1U high x 550mm deep x 19" wide
Weight	4.5 kg
Colour	RAL9003— White (Semi-Matte)

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.



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