



# 16-way Single L-band Active Splitter

## with 0-20dB variable gain

- Typical applications:**
- High resilience RF distribution
  - Optimum satellite signal quality

 **Variable gain** to balance input signals

 **Hot-Swap** Variable gain amplifier

 **850 to 2150MHz** operating frequency range.


 **Monitoring** via LEDs to indicate amplifier and power supply status



 **Compact** housed in a 2U high chassis

 **Resilience** from dual redundant power supplies

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

 **Dry contact alarm port & serial communications** for power supply status



**Technical specifications and operating parameters**

RF Parameters						
Capacity	16 way Splitter					
Frequency Range	850 to 2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-type	
Gain Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.5 dB	±1.5 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB
Input Return Loss	Typical	15 dB	15 dB	14 dB	10 dB	10 dB
	Minimum	12 dB	12 dB	11 dB	8 dB	8 dB
Output Return Loss	Typical	18 dB	18 dB	16 dB	12 dB	10 dB
	Minimum	12 dB	12 dB	12 dB	8 dB	8 dB
Gain	0-20±1.0 Mean across band					
Isolation	Typical	28dB Minimum between any two output ports				
	Minimum	24 dB Minimum between any two output ports				
Amplifier Redundancy	1:1 Dual redundant amplifier (Cold redundancy & current sensing)					
Noise Figure	17 dB					
Output 1dB GCP	2 dBm					
Input RF Power	16 dBm Absolute maximum					

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.

Environmental	
Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Power	
PSU Power	85-264Vac 50-60Hz (Fused 2A)
AC Consumption	<20W (At steady state)
LNB Power	None
PSU	Dual redundant PSUs with dual IEC inlets

System Control	
Display	Front panel Tri colour LEDs to indicate amplifier and unit status, red LEDs to indicate PSU failure
Remote Control & Monitoring	RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser access.
Alarms	(Dry contact, change-over via 9w D-type) PSU1 & 2 Status, Full status & alarms also available via Ethernet interface

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	8kg
Colour	White 00-E-55 semi-gloss