



24-way Single L-band Active Combiner

with dual redundant amplifiers

Typical applications:
- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality

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

 **Reliability** from dual redundant amplifiers

 **Local monitoring** via front panel status LEDs for power & PSU



 **24 Incoming feeds**
combining in to 1 output

 **Dry contact alarm port**
for power supply status

 **Resilience** from dual redundant power supplies





Technical specifications and operating parameters

RF Parameters					
Capacity	24-way				
Frequency Range	850-2150 MHz (L-band)				
RF Connectors	75Ω F-type	75Ω BNC	50Ω BNC	50Ω SMA	
DC Block	Yes	Yes	Yes	Yes	
Flatness	±2.2 dB	±2.2 dB	±1.7 dB	±1.7 dB	
Input Return Loss	Typical	12 dB	12 dB	15 dB	15 dB
	Minimum	8 dB	8 dB	10 dB	10 dB
Output Return Loss	Typical	12 dB	12 dB	15 dB	18 dB
	Minimum	8 dB	8 dB	10 dB	10 dB
Gain	0± 2 dB Nominal, mean across band				
Amplifier Redundancy	Dual redundant amplifier, cold standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring				
Isolation	23 dB Between any 2 output ports				
1 dB Compression	10 dBm Typical output power				
Noise Figure	21 dB Typical				

Power		
Input RF Power	+16 dBm Absolute Maximum	
AC Power	100-240 Vac 50/60 Hz	Fused 2A
PSU Redundancy	Dual redundant	Dual IEC inlet
LNB Power	No	

System Control	
Display	Front panel PSU status LEDs
Alarms	Dry contact (D-type) for PSU failure

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical	
Dimensions	3U high x 350mm deep x 19" wide
Weight	10 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.

