



16-way Single L-band Active Combiner

with DC & 10MHz Pass

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- IPTV and DTH headend content distribution
- High resilience RF distribution, and optimum satellite signal quality is required
- Redundancy applications for remote satellite teleports



850 - 2150 MHz
operating frequency range.



DC & 10MHz pass
on port 1 only



Local monitoring
via front panel status LEDs for power & PSU



16 Incoming feeds
combining in to 1 output



Resilience
from dual redundant power supplies



Dry contact alarm port
for power supply status





Technical specifications and operating parameters

RF Parameters						
Capacity	16-way					
Frequency Range	850-2150 MHz (L-band)					
Impedance & RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Gain Flatness	Full Band	±1.50 dB	±1.50 dB	±1.50 dB	±1.75 dB	±1.75 dB
	Any 36 MHz	±0.35 dB	±0.35 dB	±0.40 dB	±0.50 dB	±0.60 dB
Input Return Loss	Typical	12 dB	12 dB	12 dB	12 dB	12 dB
	Minimum	10 dB	10 dB	10 dB	10 dB	10 dB
Output Return Loss	Typical	12 dB	12 dB	12 dB	12 dB	12 dB
	Minimum	10 dB	10 dB	10 dB	10 dB	10 dB
Gain	1.5 ± 1.0 dB		Nominal, mean across band			
DC Pass	Yes		Port one to the common port only. All other ports DC blocked.			
10MHz Pass	<1 dB insertion loss					
Isolation	Typical	>25 dB				
	Minimum	>23 dB				
Noise Figure	<13 dBm					
Output 1dB GCP	10 dBm					
Input RF Power	16 dBm		Absolute Maximum			

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

Power		
AC Consumption	<20W	At steady state
PSU Power	85-264 Vac 50/60 Hz	Fused 2A
PSU Redundancy	Dual redundant PSUs with dual IEC inlets	Diode OR. Not hot swap
LNB Power	No	

System Control	
Alarms	Dry contact, change-over via 9-way D-type for PSU failure
Display	Front panel status LED's for PSU & power

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

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.