



Model Number: C1601S1ULA-22290-F7F7

16-way Single L-band Active Combiner

With Dual Redundant Amplifiers, Ethernet Monitoring and powered by 24V DC



This single 16-way L-band active combiner benefits from an automatic, cold standby, dual redundant amplifier. The unit is powered by 24V DC .

Front View of Model C1601S1ULA-22290-F7F7

A front panel LED provides a visual status for the amplifiers, and external monitoring can be done via a dry contact alarm port or Ethernet port on the rear panel.



Rear View of Model C1601S1ULA-22290-F7F7

This particular unit is supplied with 75 ohm F-type RF connectors, but a range of other impedances and connector types are available (model numbers will vary).





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RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters		
Capacity	16- way	
Frequency Range	850-2150 MHz (L-band)	
Gain	0 ± 2 dB nominal, mean across band	
Flatness	850-2150MHz	± 1.5 dB
	Over any 36MHz	± 0.75 dB
1 dB Compression	0 dBm	
Noise Figure	23 dB	
Amp Redundancy	1-to-1 redundant	cold redundancy & current sensing
Input Return Loss	10 dB typical	
Output Return Loss	10 dB typical	

System Control		
Display	Front panel LED for Amplifier status	
Alarms	Dry contact alarm port and RJ45 Ethernet port on rear panel for amplifier failure	Tricolour LED at front panel. Connectors at rear panel. SNMP & dry contact alarms

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

Physical		
Input Connector	F-type	10MHz/DC blocked (40dB typical, 25dB minimum 10MHz rejection)
Input Impedance	75Ω	
Input Connector	F-type	10MHz/DC blocked (40dB typical, 25dB minimum 10MHz rejection)
Input Impedance	75Ω	
Dimensions	1U high x 200mm deep x 19" wide	
Weight	8 kg	
Colour	White 00-E-55 semi-gloss (Front panel)	

Power		
DC In	24V DC	Single 4 pin XLR plug on rear panel
BUC Power	None	
PSU	N/A	
Hot-swap PSU	No	

Key Features	
Redundant amplifiers	
Powered by 24V DC	
LED on the front panel to indicate amplifier status	
Alarm contacts for external monitoring	

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020

EMAIL
info@etlsystems.com

FACSIMILE
+44 (0)1981 259021

WEB
www.etlsystems.com

