

## 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.

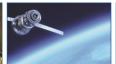


Rear View of Model C1601S1ULA-22290-F7F7

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		
	850-2150MHz	± 1.5 dB		
Flatness	Over any 36MHz	± 0.75 dB		
1dB 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		
Input Impedance	75Ω			
Input Connector	F-type			
Input Impedance	75Ω	rejection)		
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	







