



**Model Number: C1601S2ULA-22201-N5N5**

# 16-way Single L-band Active Combiner

with dual redundant amplifiers



This single 16-way L-band active combiner benefits from automatic, cold standby, dual redundant amplifiers on the input which provides unity gain, and dual redundant power supplies for reliability in service.

Front View of Model C1601S2ULA-22201-N5N5

Front panel LED's provide a visual status for the power supplies and amplifier. Monitoring can also be done via a dry contact alarm port on the rear panel.



Rear View of Model C1601S2ULA-22201-N5N5

This particular unit is supplied with 50 ohm N-type connectors, but a variety of 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 dB $\pm$ 2 dB nominal, mean	
Flatness	850-2150 MHz	$\pm$ 1.0 dB (full band)
	Any 36 MHz band	$\pm$ 0.5 dB
1dB Compression	+12 dBm output power level	
Noise Figure	26 dB	
Input Isolation	25 dB (typical isolation between any 2 input ports)	
Input Return Loss	18 dB typical	
Output Return Loss	15 dB typical	
Amp Redundancy	1-to-1 redundant, cold redundancy & current sensing	

System Control (Chassis)	
Display	Front Panel LED's for Power, PSU & Amplifier status
Alarms	Dry Contact Alarm port on rear panel for PSU failure

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

Physical (Chassis)	
Input Connector	N-type
Input Impedance	50 $\Omega$
Output Connector	N-type
Output Impedance	50 $\Omega$
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264V AC (50/60Hz)
LNB Power	None
PSU	Dual
Hot-swap PSU	No

Key Features	
Dual redundant and alarmed PSU's	
Automatic, cold standby, dual redundant amplifiers (amplifier current monitoring)	
LEDs on front panel to indicate PSU and amplifier status	

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