



Model Number: C1601S2ULA-22201-S5S5

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-S5S5

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-S5S5

This particular unit is supplied with 50 ohm SMA connectors, but a variety of impedances and connector types are available (model numbers will vary).





Model Number: C1601S2ULA-22201-S5S5

16-way Single L-band Active Combiner with dual redundant amplifiers

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
1 dB Compression	+12 dBm output power level	
Noise Figure	26 dB	
Input Return Loss	18 dB typical	
Output Return Loss	15 dB typical	
Amp Redundancy	1-to-1 redundant, cold redundancy & current sensing	

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

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

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

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

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	

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

