



Model Number: C0801S1ULA-N5N5

8-way Single L-band Active Combiner



Front View of Model C0801S1ULA-N5N5

This single 8-way active L-band combiner operates over the frequency range of 850-2150 MHz and is housed in a 1U high shelf. This unit benefits from dual redundant power supplies for reliability in service.

Monitoring of the dual redundant power supplies can be done via front panel LED's which provide a visual status of the power supplies and via a dry contact alarm port on the rear panel.



Rear View of Model C0801S1ULA-N5N5

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





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RF Engineering
and Custom Build

8-way Single L-band Active Combiner

Technical specifications and operating parameters

RF Parameters			
Capacity		8- way	
Frequency Range		850-2150 MHz (L-band)	
Gain		1 dB \pm 1.5 dB mean across band	
Flatness	850-2150MHz	\pm 1.0 dB	\pm 0.7 dB typical
	Any 36MHz	\pm 0.5 dB	\pm 0.3 dB typical
1dB Compression		+10 dBm	
Noise Figure		7 dB	
Input Return Loss		18 dB	20 dB typical
Output Return Loss		12 dB	15 dB typical

System Control	
Display	Front Panel LED's for Power & PSU status
Alarms	Dry contact alarm port on rear panel for PSU failure

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

Physical	
Input Connectors	N-type
Input Impedance	50 Ω
Output Connectors	N-type
Output Impedance	50 Ω
Dimensions	1U 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), Fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features	
Housed in a compact 1U high rack	
Dual redundant power supplies	
Front Panel LED's for power & PSU status	
Dry contact alarm port on rear panel for PSU failure	

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

