



Model Number: C0801S1UIA-N5N5

8-way Single IF Active Combiner



This single 8-way active IF combiner operates over a frequency range of 20-200 MHz and is housed in a 1U high shelf.

Front View of Model C0801S1UIA-N5N5

This unit benefits from dual redundant power supplies for reliability in service, which can be monitored via front panel LEDs and via a dry contact alarm port on the rear panel.



Rear View of Model C0801S1UIA-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 IF Active Combiner

Technical specifications and operating parameters

RF Parameters		
Capacity	8- way	
Frequency Range	20-200 MHz (IF)	
Gain	1 dB \pm 1 dB mean across band	
Flatness	Over 20-200MHz	\pm 0.5 dB
	70 \pm 20MHz or 140 \pm 40MHz	\pm 0.25 dB
1dB Compression	+10 dBm	
Noise Figure	16 dB	
Input Return Loss	20 dB	
Output Return Loss	20 dB	

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	6 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

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