



**Model Number: C0401S1UIA-B7B7**

## 4-way Single IF Active Combiner



This single 4-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 C0401S1UIA-B7B7

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 C0401S1UIA-B7B7

This particular unit is supplied with 75 ohm BNC connectors, but is available in a variety of impedances and connector types (model numbers will vary).





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## 4-way Single IF Active Combiner

RF Engineering  
and Custom Build

### Technical specifications and operating parameters

RF Parameters		
Capacity	4- way	
Frequency Range	20-200 MHz (IF)	
Gain	1.5 ± 1 dB nominal mean across band	
Flatness	Over 20-200 MHz	± 0.75 dB
	70 ± 20 MHz or 140 ± 40 MHz	± 0.5 dB
1dB Compression	+8 dBm	
Noise Figure	16 dB	
Input Return Loss	20 dB	
Output Return Loss	20 dB	

System Control	
Display	Front Panel LED's for LNB 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 Connector	BNC
Input Impedance	75Ω
Output Connector	BNC
Output Impedance	75Ω
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	None

### 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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