



Model Number: C0801S1ULA-22251-N5N5

8-way Single L-band Active Combiner

with DC & 10MHz Pass



This single 8-way L-band active combiner is housed in a 1U shelf and passes DC and 10MHz from the modem to the common port via input port 1.

Front View of Model C0801S1ULA-22251-N5N5

The unit benefits from dual redundant power supplies, which are monitored by LED's on the front panel and via a dry contact alarm port on the rear.



Rear View of Model C0801S1ULA-22251-N5N5

The combiner is supplied with 50 ohm N-type connectors, but is available in a variety of impedances and connector types (model number will vary).





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RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters		
Capacity	8- way	
Frequency Range	850-2150 MHz (L-band)	
Gain	0 dB \pm 1 dB	
Flatness	850MHz-2150 MHZ	\pm 0.7 dB typical
	Any 36Mhz. band	\pm 0.3 dB typical
1 dB Compression	+ 10 dBm	
Noise Figure	7 dB	
Input Return Loss	18 dB typical	
Output Return Loss	12 dB typical	
10MHz Pass	< 1 dB Insertion Loss, Port 1 to the Common Port only	
DC Pass	Port 1 to the Common Port only. All other ports DC blocked	

System Control	
Display	Front panel LED's for Power and PSU status
Alarms	Dry Contact Alarm Port on rear panel for PSU monitoring

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

Physical	
Connectors	N-type
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/BUC Power	None
PSU	Dual
Hot-swap PSU	No

Key Features	
Dry contact alarm for PSU failure	
LED's for PSU monitoring	
DC & 10 MHz Pass	

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