



**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 nominal, mean	
Flatness	850MHz-2150MHz	$\pm$ 1.0 dB	$\pm$ 0.7 dB typical
	Any 36MHz band	$\pm$ 0.5 dB	$\pm$ 0.3 dB typical
1dB Compression		+ 10 dBm output	
Noise Figure		19 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
Alarms	Dry Contact Alarm Port on rear

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	N-type	DC passing to Port
Input Impedance	50 $\Omega$	
Output Connector	N-type	DC blocking
Output Impedance	50 $\Omega$	
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
Dry contact alarm for PSU failure
LED's for PSU monitoring
DC & 10MHz Pass

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