



Model Number: **D0108S1UC1A-22231-N5N5**

8-way Single C-band Active Splitter

With enhanced 18 dB gain



Front View of Model D0108S1UC1A-22231-N5N5

This single C-band active splitter operates over the 3.4 to 4.2 GHz frequency range and provides excellent return loss and flatness, and also offers enhanced gain of 18 dB.

The output ports of the splitter are located on the front panel of the unit.

The unit benefits from dual redundant power supplies for reliability in service, which are monitored visually by LED's on the front panel and remotely via a dry contact alarm port on the rear for PSU failure.



Rear View of Model D0108S1UC1A-22231-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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Technical specifications and operating parameters

RF Parameters	
Frequency Range	3.4 to 4.2 GHz (C-band)
Gain	+18 dB \pm 2 dB, mean across band
Flatness	\pm 1 dB
1 dB Compression	3 dBm, output power level
IP3	10 dBm , output power level
Noise Figure	12 dB
Input Return Loss	15 dB typical
Output Return Loss	20 dB typical

Physical	
Input Connector	N-type
Input Impedance	50 Ω
Output Connector	N-type
Output Impedance	50 Ω
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss, front panel

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

Power	
AC Power	85-264 Vac, 50/60Hz, fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	None

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

Key Features	
Enhanced Gain of +18dB	
Dual redundant power supplies	
LED's for PSU status	
Dry contact alarm port for PSU failure	

