



Model Number: D0108S1UC3A-22353-XXXX

8-way Single C-band Active Splitter

With Dual Redundant Power Supplies



This single 8-way C-band active splitter has been designed for the distribution of RF signals over the 3.4-6.4GHz frequency range. It is housed in a compact 1U high shelf.



Rear View of Model D0108S1UC3A-22353-N5N5 (with 50 ohm N-Type connectors)

Connectors: This unit is available with 50 ohm N-Type & 50 ohm SMA connectors only.

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality
- 3.4 to 6.4 GHz to cover **C-band applications**

Benefits & features:

- Housed in a compact 1U high rack
- Dual redundant power supplies for reliability in service
- Status monitoring via front panel status LED's & dry contact alarm port on rear panel



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RF Engineering and Custom Build

Technical specifications and operating parameters PRELIMINARY SPECIFICATIONS

RF Parameters			
Capacity		8- way Splitter	
Frequency Range		3.4 to 6.4 GHz (C-band)	
Connectors a& Impedances		50Ω SMA	50Ω N-Type
Gain		1 dB ± 1 dB typical, mean across band	1 dB ± 1 dB typical, mean across band
Flatness	Full Band	± 2.5 dB	± 2.5 dB
	Any 36MHz	± 1.75 dB	± 1.0 dB
1dB Compression		0 dBm	0 dBm
Noise Figure		9 dB	9 dB
Isolation		18 dB	18 dB
MTBF		>500,000 hrs	
Input Return Loss	Typical	14 dB	14 dB
	Minimum	8 dB	8 dB
Output Return Loss	Typical	14 dB	14 dB
	Minimum	10 dB	10 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 55°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 85% non-condensing
Altitude	10,000 ft AMSL

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264Vac (50/60Hz), Fused 2A
AC Consumption	10W
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No



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