

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:

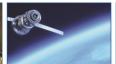
- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality
- 3.4 to 6.4 GHz to cover **C-band** applications

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

















Model Number: D0108S1UC3A-22353-XXXX

8-way Single C-band Active Splitter with dual redundant power supplies

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 typi- cal, 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	

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)	

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

ETL SYSTEMS LIMITED

Coldwell Radio Station

Madley Hereford England HR2 9NE

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









