



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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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 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 |

