



Model Number: D0108S1ULA-22245-F7F7

8-way Single L-band Active LD Series Splitter

with switchable LNB Powering



The compact 8-way active splitter is part of the LD Splitter Series and is designed to provide affordable L-band splitting in a 1U high, 19" rack mountable chassis.

Front View of Model D0108S1ULA-22245-F7F7

Covering the full range of L-band, 850-2150MHz, this shelf also offers dual redundant power supplies, and is also able to offer switchable LNB powering.

Front panel LED's indicate the condition of the dual redundant power supplies and the status of the LNB bias.



Rear View of Model D0108S1ULA-22245 with 75 ohm BNC connectors

This particular unit is supplied with 75 ohm F-type RF connectors, but is available in a range of impedances and RF connectors (not N-type RF connectors).



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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 1.5 dB nominal, mean across band |
| Flatness | 850-2150MHz \pm 1.5 dB typical |
| 1dB Compression | -5 dBm |
| IP3 | 5 dBm |
| Noise Figure | 10 dB |
| Isolation | 25 dB (between any 2 output ports) |
| Input Return Loss | 12 dB typical |
| Output Return Loss | 12 dB typical |

Power

| | |
|--------------|---|
| AC Power | 85-264V AC (50/60Hz), Fused 2A |
| LNB Power | 18V DC, 310 mA via common port, switchable on/off |
| PSU | Dual redundant |
| Hot-swap PSU | No |

System Control

| | |
|---------------|--|
| Display | Front Panel LED's for Power & PSU status |
| Local Control | LNB Powering switch on rear panel |

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 | F-type |
| Input Impedance | 75Ω |
| Output Connector | F-type |
| Output Impedance | 75Ω |
| Dimensions | 1U high x 220mm deep x 19" wide |
| Weight | 2 kg |
| Colour | White 00-E-55 semi-gloss |

Key Features

| |
|--|
| Housed in a compact 1U high rack |
| Dual redundant power supplies |
| Switchable LNB Powering |
| Front Panel LED's for LNB & PSU status |



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