



16-way Single L-band Active LD Series Splitter

with switchable LNB Powering

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality



18V LNB Powering
 can be switched on or off



Local monitoring
 via front panel LEDs



850-2150 MHz
 operating frequency range



Compact
 housed in a 1U
 high chassis



Local control
 LNB Powering by rear panel
 switch (on/off)



Resilience
 from dual redundant
 power supplies



Technical specifications and operating parameters

| RF Parameters | | | | | |
|-------------------------|---|----------|----------|------------|-------|
| Capacity | 16 way Splitter | | | | |
| Frequency Range | 850-2150 MHz (L-band) | | | | |
| RF Connectors | 50Ω SMA | 50Ω BNC | 75Ω BNC | 75Ω F-type | |
| Gain | 0±1.5 dB | 0±1.5 dB | 0±1.5 dB | 0±1.5 dB | |
| Gain Flatness Full Band | ±1.0 dB | ±1.0 dB | ±1.25 dB | ±1.5 dB | |
| Input Return Loss | Typical | 15 dB | 15 dB | 12 dB | 12 dB |
| | Minimum | 10 dB | 9 dB | 8 dB | 8 dB |
| Output Return Loss | Typical | 18 dB | 17 dB | 12 dB | 12 dB |
| | Minimum | 15 dB | 14 dB | 10 dB | 10 dB |
| Isolation | 25 dB maximum between any two output ports | | | | |
| Noise Figure | 12 dB typical | | | | |
| 1dB GCP | -5 dBm output power at 1500MHz | | | | |
| OIP3 | 5 dBm 3rd order intercept point, output power | | | | |

| Power | | |
|----------------|--|----------------------------------|
| PSU Power | 85-264Vac 50-60Hz | Fused 2A |
| AC Consumption | 7W | Max. consumption at steady state |
| LNB Power | 18 Vdc, 310mA max via common (RF in) port. | |
| Input RF Power | 16 dBm Absolute Maximum | |
| PSU | Dual redundant. Diode OR. | Fused 2A |
| Hot-swap PSU | No | |
| RF Monitoring | None | |

| Environmental | |
|-----------------------|---|
| Operating temperature | 0 to 45°C |
| Location | Indoor use only |
| Storage temperature | -20°C to +75°C |
| Humidity | 90% non-condensing |
| Altitude | 10,000 feet AMSL (above mean sea level) |

| System Control | |
|------------------|--|
| Local Monitoring | Via Front Panel LEDs |
| Local Control | Switchable (on/off), 18V LNB Powering via rear panel switch. |

| Physical | |
|------------|---------------------------------|
| Dimensions | 1U high x 500mm deep x 19" wide |
| Weight | 2 kg |
| Colour | RAL9003 White (semi-matte) |

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.