

8-way Dual L-band Active DEXTRA Series Splitter

With LNB powering and monitoring port

The Dextra splitter range has been designed for high resilience RF distribution, and optimum satellite signal quality. The splitters benefit from excellent RF performance and compact form factor as well as advanced functionality.

Options: Dextra splitters can be specified with single amplifier or hot/cold-standby dual-redundant amplifiers. Please specify OPT-R for redundant amplifier option.

Extended L-band range
850 - 2450MHz

Local monitoring
Front panel LEDs give
status of PSUs & LNB



Remote control & monitoring
via RJ45 Ethernet port
with SNMP and web
browser interface

Dry contact alarm port
for power supply
status & LNB supply
alarms

| RF Parameters | | |
|---|---|------------------------|
| Frequency Range | 850 to 2450 MHz | |
| Capacity | Dual 8-way splitter | |
| Front Panel Monitor | 50Ω SMA -20dB, 16dB return loss | |
| Gain (Mean across band) | 0±1.0 dB | |
| Flatness | 850-2450MHz | ±0.8 dB |
| | Any 36MHz | ±0.25 dB |
| Input Return Loss | Typ. | 20 dB |
| | Min. | 16 dB |
| Output Return Loss | Typ. | 21 dB |
| | Min. | 16 dB |
| Group Delay | 850-2450MHz | 2ns max. |
| | Any 36MHz | 1ns max. |
| Isolation | 850-2250MHz | 28 dB typ., 24 dB min. |
| | 2250-2450MHz | 28 dB typ., 24 dB min. |
| Noise Figure | 10 dB | |
| 1dB GCP | 0 dBm | |
| OIP3 | 10 dBm | |
| OIP2 | 30 dBm | |
| 3 rd Order Intermodulation Level | -40 dBc (with 2 equi-magnitude -13 dBm carriers. Total power -10 dBm.) | |
| In Band Spurious | <-80 dBm | |
| System Control | | |
| Display | Tri colour LEDs to indicate PSU, LNB supply and amplifier status. | |
| Monitoring & Remote Control | Redundant amplifiers, LNB current and power supplies monitored via RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP and ETL proprietary TCP protocol | |
| Alarms | Dry contact, 9-way D-type alarm port for PSU and LNB supply. Full status and alarms are also available via the Ethernet interface. | |
| Power | | |
| AC Power | 85-264V AC (50/60Hz) | |
| PSU Redundancy | Dual redundant with dual IEC inlets | |
| LNB Power | 0/13V/18Vdc, 500mA max via common (RF in) port, over current protected at 800mA typical. 22kHz tone on/off enabled/disabled through comms. Monitored, alarms and status available and thresholds settable by user through comms | |
| Input RF Power | 16 dBm absolute max. | |
| AC Consumption | <35W (at steady state with max rated LNB current supplied) | |
| Hot-swap PSU | None | |

| Physical & Environmental | |
|--------------------------|--|
| Dimensions | 1U high x 350mm deep x 19" wide |
| Weight/Colour | 3 kg / White 00-E-55 (semi-gloss) |
| Temperature | Operating: 0 to 50°C / Storage: -20°C to +75°C |
| Location/Humidity | Indoor use only — 85% non-condensing |
| Altitude | 10,000ft AMSL |

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.

Note 3: Specification quoted above is for 50 Ohm SMA. Other variants are available, please enquire. Performance may vary across variants.