

4-way Dual L-band Active DEXTRA Series Splitter

With 10MHz pass to port 1

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 amplifier options, with DC pass (port one to common port), or with both. Please specify OPT-R for redundant amplifier option, OPT-D for DC pass, and OPT-RD for both.

Extended L-band range
850 - 2450MHz

Local monitoring
Front panel LEDs give
status of PSUs & LNB



10MHz pass
on port 1

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 4-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.
10MHz Insertion Loss		<1 dB (Port 1 to common port only)
Noise Figure		10 dB
1dB GCP		2 dBm (typ. at 1650MHz)
OIP3		12 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		Front panel LEDs
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		<20W (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 / RAL9003 White (semi-matte)
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.