

# 4-way Dual L-band Active DEXTRA Series Splitter

With switchable LNB powering and -20dB 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 amplifier options. Please specify OPT-R for redundant amplifier option. This is remote configurable.

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 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.
Noise Figure	10 dB	
Amplification	Single path amplifier (standard model)	
Amplifier Redundancy Option (OPT-R)	Dual redundant amplifier. Selectable hot or cold standby, 1:1 redundancy with auto switch over based on amplifier current monitoring	
1dB GCP	0 dBm	
OIP3	10 dBm	
OIP2	30 dBm	
3 <sup>rd</sup> 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 / 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.