

4-way Single L-band Active DEXTRA Series Splitter

With switchable LNB powering, 10MHz pass and optional dual redundant amplifiers (OPT-R) and DC pass (OPT-D)

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

LNB powering
13/18V and 22KHz
tone

Local monitoring
Front panel LEDs give
status of PSUs & LNB



10MHz pass
on port 1 only

Remote control & monitoring
via RJ45 Ethernet port with SNMP
& web browser with settable
alarm thresholds for LNB

RF Parameters		
Frequency Range	850 to 2450 MHz	
Capacity	4-way	
Front Panel Monitor	50Ω SMA (-20 dB, 16 dB 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 only)	
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, change-over via 9-way D-type. Available alarms are: 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 via common (RF in) port, over current protected at 800mA typical. 22kHz tone on/off Ethernet port remote setting of LNB voltage and 22KHz tone; and LNB current alarm threshold	
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.