

16-way Single IF-band Active DEXTRA Series Splitter

With monitoring port

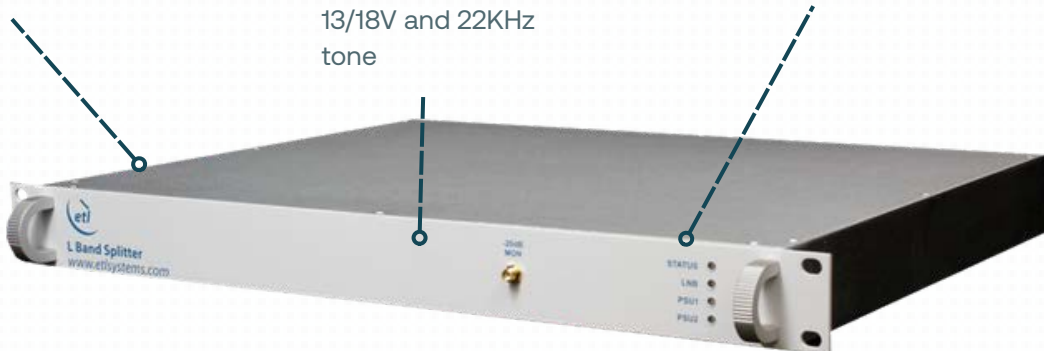
The Dextra splitter range has been designed for high resilience RF distribution, and optimum satellite signal quality. The splitters benefit from excellent RF performance and compact form factor as well as advanced functionality.

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

IF-band range
50 - 1000MHz

LNB powering
13/18V and 22KHz
tone

Local monitoring
Front panel LEDs give
status of PSUs & LNB



Dry contact alarm port
for power supply status and
summary alarm

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

RF Parameters		
Frequency Range		50 to 1000 MHz
Capacity		16-way
Front Panel Monitor		50Ω SMA (-20 dB, 16 dB return loss)
Gain (Mean across band)		0±1.0 dB
Flatness	Full band	±1.0 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	Full band	2ns max.
	Any 36MHz	1ns max.
Isolation @70MHz		30 dB typ., 20 dB min.
Noise Figure		14 dB
1dB GCP		-5 dBm
OIP3		7 dBm
In Band Spurious		<-80 dBm
System Control		
Display		Tri colour LEDs to indicate PSU, LNB supply and amplifier status
Monitoring & Remote Control		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		<15W (at steady state)
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.