

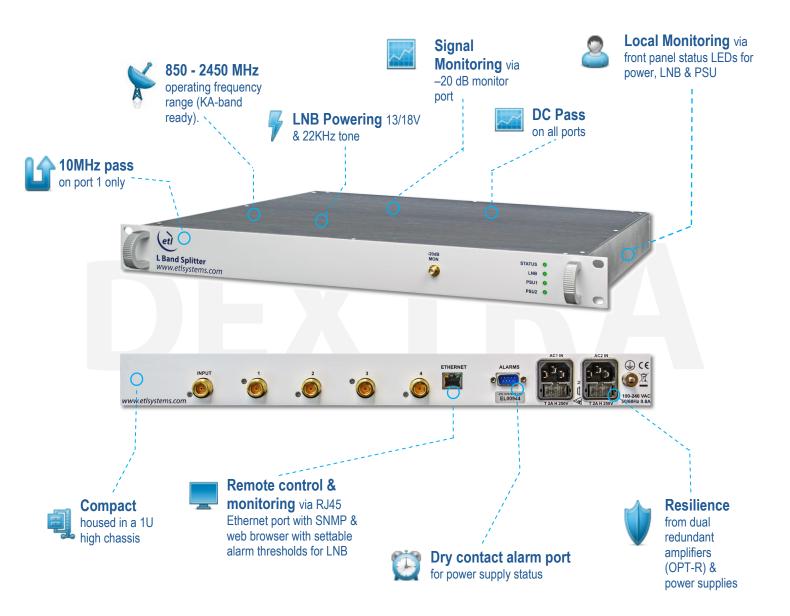
Model Number: D0104S1ULA-22450-xxxx

4-way Single L-band Active Dextra Series Splitter

with dual redundant amplifiers (OPT-R version), switchable LNB powering, DC Pass (OPT-D version) &10MHz Pass

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution where optimum satellite signal quality is required
- 850-2450 MHz to cover Ka-band and HTS applications



















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Technical specifications and operating parameters

		RF	Paramete	rs		
Capacity		4-way				
Frequency Range		850-2450 MHz (Extended L-band)				
Front Panel Monitor		50Ω SMA -20 dB, 16 dB retu			B return loss	
RF Connectors		50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type
Gain		0±1.0 dB Mean across band				
Gain Flatness	Full Band	±0.8 dB	±0.8 dB	±0.8 dB	±1.0 dB	±1.0 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB
Input	Typical	20 dB	20 dB	20 dB	20 dB	20 dB
Return Loss	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB
Output	Typical	21 dB	21 dB	21 dB	21 dB	21 dB
Return Loss	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB
Isolation 850- 2250MHz	Typical	28 dB	28 dB	28 dB	28 dB	28 dB
	Minimum	24 dB	24 dB	24 dB	24 dB	24 dB
Isolation 2250- 2450MHz	Typical	28 dB	28 dB	28 dB	24 dB	24 dB
	Minimum	24 dB	24 dB	24 dB	22 dB	22 dB
Group	Full Band	2 ns maximum				
Delay Variation	Any 36MHz	1 ns maximum				
Amplification		Single path amplifier			Standard Model	
Options		Dual redundant amplifier. Selectable hot or cold standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring			Option: OPT-R	
		DC pass port 1 to common port		Option: OPT-D		
		Dual redundant amplifier & DC pass port 1		Option: OPT-RD		
10MHz Insertion Loss		<1 dB Port 1 to common only				
Noise	50Ω	10 dB typical				
Figure	75Ω	12 dB typic	al			
Output 1dB GCP		0 dBm				
OIP3		+10 dBm				
OIP2		+30 dBm				
3rd Order Intermodulation Level		-40 dBc With 2 equi-magnitude -13dBm carriers Total power -10dBm			3dBm carriers.	
Input RF Power		16 dBm Absolute maximum				
In Band Spurious		<-80 dBm				

Environmental		
Operating temperature	0 to 50°C	
Location	Indoor use only	
Storage temperature	-20°C to +75°C	
Humidity	85% non-condensing	
Altitude	10,000 feet AMSL	

Power					
PSU Power	85-264Vac 50-60Hz	Fused 2A			
AC Consumption <20W		Max. consumption at steady state with max rated LNB current supplied			
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 through comms. Thresholds settable by user through comms.				
PSU	Dual redundant with dual IEC inlets	Diode OR. Not hot swap			

System Control			
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.		
Display	Tri colour LEDs to indicate PSU, LNB supply and amplifier status.		

Physical		
Dimensions 1U high x 350mm deep x 19" wide		
Weight	3.05 kg	
Colour	White 00-E-55 semi-gloss	

PRELIMINARY

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.

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