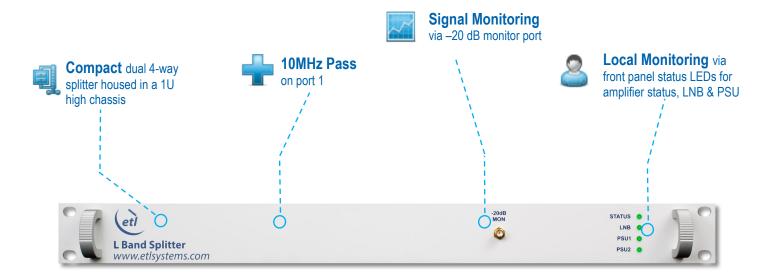


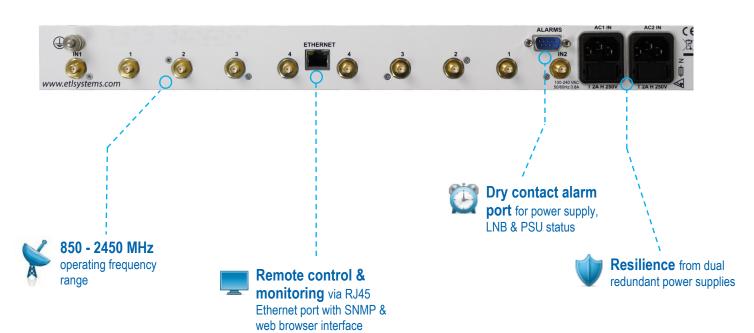
## 4-way Dual L-Band Active Dextra Series Splitter

with 10MHz pass to port 1

## **Typical applications:**

- Satellite operators, VSAT, teleports and broadcasters
- High resilience RF distribution, and optimum satellite signal quality







## Model Number: D0104D1ULA-22451-XXXX

## Technical specifications and operating parameters

	RF Parameters					
Capacity		Dual 4-way Splitter				
Front Panel Monitor		50Ω SMA		-20 dB, 16 dB return loss.		
Frequency		850 to 2450MHz				
Connector & Impedances		50Ω BNC	50Ω SMA	75Ω F-Type	75Ω BNC	
Gain		0±1.0 dB Mean across band				
Gain Flatness	Full band	±0.8 dB	±0.8 dB	±1.0 dB	±1.0 dB	
	Any 36MHz	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB	
Input Return Loss	Typical	20 dB	20 dB	20 dB	20 dB	
	Minimum	16 dB	16 dB	16 dB	16 dB	
Output Return Loss	Typical	21 dB	21 dB	21 dB	21 dB	
	Minimum	16 dB	16 dB	16 dB	16 dB	
Group Delay	Full band	2 ns maximum				
Variation	Any 36MHz	1 ns maximum				
Amplification		Single path amplifier (standard model)				
Options	OPT-R	Dual redundant amplifier. Selectable hot or cold standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring.				
	OPT-D	DC Pass port 1 to common port				
	OPT-RD	Dual redundant amplifier and DC pass port 1				
10MHz Insertion Loss		<1 dB		Port 1 to common only		
Isolation	Typical	28 dB	28 dB	28 dB	28 dB	
850-2250MHz	Minimum	24 dB	24 dB	24 dB	24 dB	
Isolation	Typical	28 dB	28 dB	24 dB	24 dB	
2250-2450MHz	Minimum	24 dB	24 dB	22 dB	22 dB	
Naiss Figure	50Ω	10 dB				
Noise Figure	75Ω	12 dB				
Output 1dB GCP		+5 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.		
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. Relative Humidity.	
Altitude	10,000 feet AMSL (above mean sea level)	

Power				
PSU Power	85-264Vac 50-60Hz	Fused 2A		
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 Redundancy	Dual redundant with dual IEC inlets.	Diode OR. Not hot swap.		
AC Consumption	<20W			

System Control & Alarms		
Alarms	Dry contact, change-over via 9-way D-type. Available alarms are: PSU & 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 on front panel.	
Remote Control & Monitoring	RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP, and ETL Proprietary TCP Protocol.	

Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	3.05 kg	
Colour	RAL9003-White (Semi-Matte)	

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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