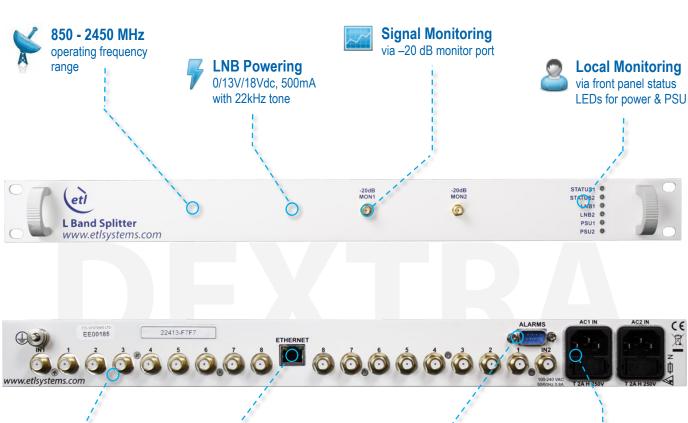


## 8-way Dual Active Dextra Series Extended L-band Splitter with dual redundant amplifiers (OPT-R version)

## **Typical applications:**

- Satellite operators, VSAT, teleports & broadcasters
- High resilience RF distribution where optimum satellite signal quality is required







## Model Number: D0108D1ULA-22413-XXXX

## Technical specifications and operating parameters

RF Parameters						
Capacity		Dual 8-way Splitter				
Front panel monitor		50Ω SMA -20dB, 16dB return loss				
Frequency		850-2450MHz (Extended L-band)				
Connector & impedances		50Ω BNC	50Ω SMA	75Ω F-type	75Ω BNC	
Gain Flatness	850-2450 MHz	±0.8 dB	±0.8 dB	±1.0 dB	±1.0 dB	
	Any 36 MHz	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB	
Input	Typical	20 dB	20 dB	20 dB	20 dB	
Return Loss	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	
Gain		0 ± 1.0 dB Mean across band			and	
Group	850-2450 MHz	2 ns maximum				
Delay			1 ns maximum			
Amplification	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.				
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	
Noise	50Ω	10 dB				
Figure	75Ω	12 dB				
1dB Gain Compression Point (output)		0 dBm				
OIP3		+10 dBm				
OIP2	OIP2		+30 dBm			
3rd order intermodulation level		-40 dBc	With 2 equi-magnitude –13 dBm carriers. Total power -10 dBm.			
In Band Spurious		<-80 dBm				
Input RF Power		16 dBm Absolute Maximum				

Power				
AC Power	85-264Vac 50-60Hz	Fused 2A		
AC Consumption	<35W	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 PSUs with dual IEC inlets.	Diode OR		
Hot-swap PSU	No			

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.			

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 Above Mean Sea Level (AMSL)	

Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	3 Kg	
Colour	White 00-E-55 semi-gloss	

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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