

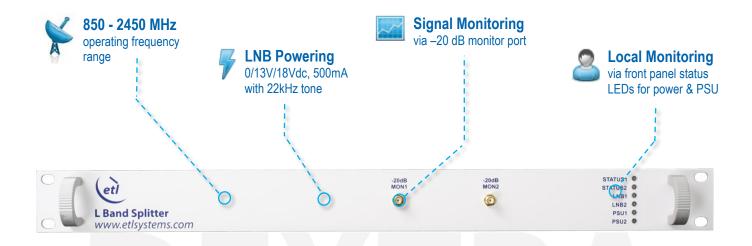
Model Number: D0108D1ULA-22413-XXXX

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







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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 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		
Gain		0 ± 1.0 dB Mean across band					
Group	850-2450 MHz	2 ns maximum					
Delay	Any 36 MHz	1 ns maximum					
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 Figure	50Ω	10 dB					
	75Ω	12 dB					
1dB Gain Compression Point (output)		0 dBm					
OIP3		+10 dBm					
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					

Denne						
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	y 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 Кд					
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.

ETL SYSTEMS LIMITED Coldwell Radio Station Madley Hereford England HR2 9NE TELEPHONE +44 (0)1981 259020

EMAIL info@etlsystems.com FACSIMILE +44 (0)1981 259021

WEB www.etlsystems.com







