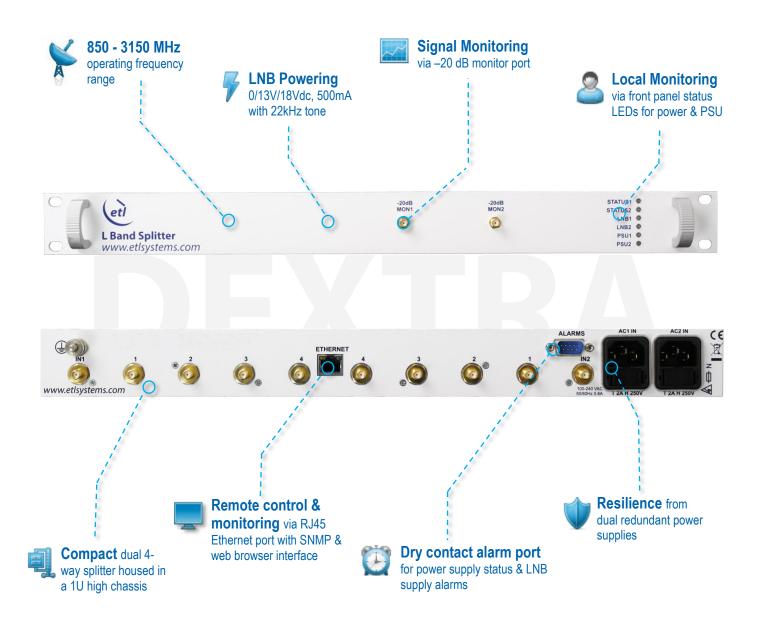


4-way Dual Active Dextra Series S-band Splitter

Typical applications:

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



















Model Number: D0104D1ULA-22513-XXXX

RF Parameters					
Capacity		Dual 4-way Splitter			
Front panel monitor		50Ω SMA		-20dB, 16dB return loss	
Frequency		850-3150MHz			
Connector & impedances		50Ω BNC	50Ω SMA	75Ω F-type	75Ω BNC
Gain Flatness	850-3150 MHz	±1.0 dB	±1.0 dB	±1.2 dB	±1.2 dB
Input Return Loss	Minimum	14 dB	14 dB	14 dB	14 dB
Output Return Loss	Minimum	14 dB	14 dB	14 dB	14 dB
Gain		0 ± 1.0 dB Mean across band		and	
Group	850-3150 MHz	2 ns maximum			
Delay	Any 36 MHz	1 ns maximum			
Amplification		Single path amplifier (standard model)			
Isolation 850- 2250MHz	Typical	28 dB	28 dB	28 dB	28 dB
	Minimum	24 dB	24 dB	24 dB	24 dB
Isolation 2250-	Typical	28 dB	28 dB	22 dB	22 dB
3150MHz	Minimum	24 dB	24 dB	20 dB	20 dB
Noise	50Ω	16 dB			
Figure (Typ.)	75Ω	18 dB			
1dB Gain Compression Point (output)		-3 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			

Power				
AC Power	85-264Vac 50-60Hz	Fused 2A		
AC Consumption	<20W	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	3.05 Kg	
Colour	White 00-E-55 semi-gloss	

Note 1: typical parameters are guide figures and measured data may deviate from quoted figures. ETL endeavours to exceed the quoted typical parameters where practically possible

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Note 3: The spec table is subject to regular reviews and will be updated from time to time as part of out continuing product development and improved spec accuracy

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