

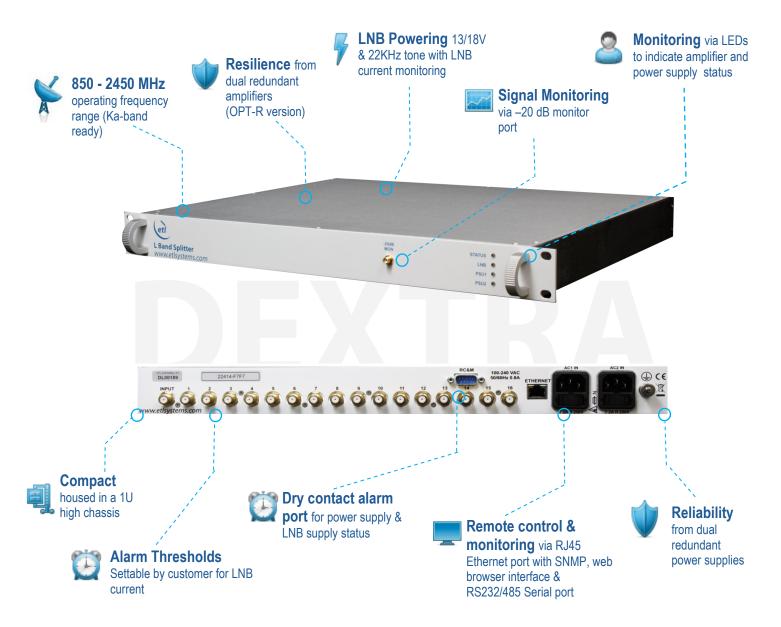
Model Number: D0116S1ULA-22414-xxxx

16-way Single L-band Active Dextra Series Splitter

with dual redundant amplifiers (OPT-R), switchable LNB powering & -20 dB monitoring port

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution where optimum satellite signal quality is required
- Teleports with limited rack space



















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Technical specifications and operating parameters

RF Parameters					
Capacity		16 way Splitter			
Front panel monitor		50Ω SMA		-20dB, 16dB return loss	
Frequency		850-2450MHz			
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	Typical	20 dB	20 dB	20 dB	20 dB
loss	Minimum	16 dB	16 dB	16 dB	16 dB
Output return	Typical	21 dB	21 dB	21 dB	21 dB
loss	Minimum	16 dB	16 dB	16 dB	16 dB
Gain		0 ± 1.0 dB Mean across band		s band	
Croup Doloy	850-2450 MHz	2 ns maximum			
Group Delay	Any 36 MHz	1 ns maxin	1 ns maximum		
Amplification		Single path amplifier			
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.			
la alatia a	Typical	28 dB	28 dB	28 dB	28 dB
Isolation	Minimum	24 dB	24 dB	22 dB	22 dB
Isolation		Min. Between any two output ports			
Nicion C	50Ω	10 dB Typical			
Noise figure	75Ω	12 dB Typical			
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.		
In Band Spurious		<-80 dBm			

Power				
AC Power	85-264Vac 50-60Hz	Fused 2A		
AC Consumption	<20W	At steady state. With max rated LNB current supplied		
Input RF Power	16dBm	Absolute maximum		
LNB Power	0/13V/18Vdc, 500mA via common (RF in) port, over current protected at 800mA typical. 22kHz tone on/off enabled/disabled through comms. Ethernet port remote setting of LNB voltage and 22KHz tone; and LNB current alarm threshold.			
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, 9-way D-type alarm port for PSU and LNB supply alarm. Full status and alarms are also available via the Ethernet interface.	
Display	Front panel LEDs for PSU, LNB 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

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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