

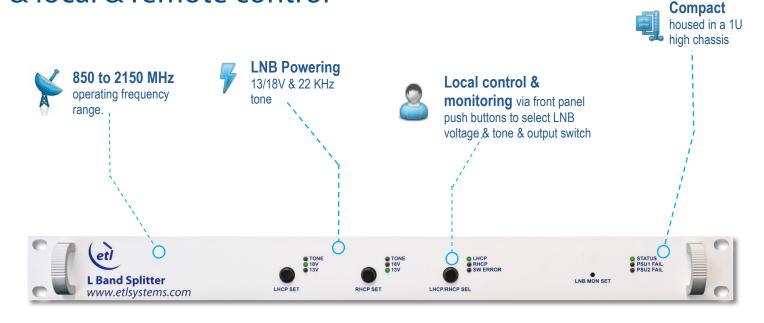
Model Number: D0102D1ULA-22435-XXXX

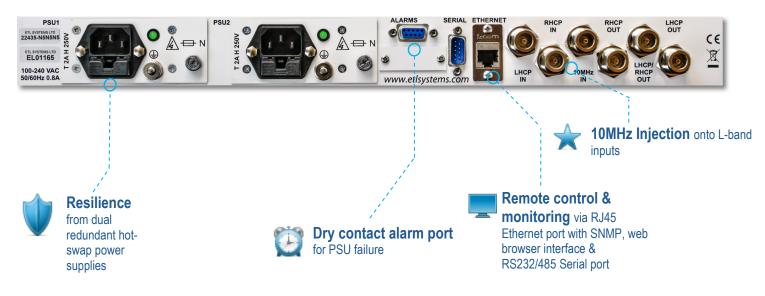
2-way Dual L-Band Active Splitter

with switchable LNB powering, 10MHz injection, current monitoring & local & remote control

Typical applications:

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





















Model Number: D0102D1ULA-22435-XXXX

2-way Dual L-band Active Splitter with switchable LNB powering, 10MHz injection, current monitoring & local & remote control

Technical specifications and operating parameters

RF Parameters						
Capacity		Dual 2-Way Splitter				
Frequency Range		850 to 2150MHz (L-band)				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Insertion Loss	L-Band	1±0.75 dB	1±0.75 dB	1±1.0 dB	1±1.25 dB	1±1.25 dB
	10MHz into L-band ports	<4.5 dB	<4.5 dB	<4.5 dB	<4.5 dB	<4.5 dB
Gain Flatness	Full band	±1.0 dB	±1.2 dB	±1.5 dB	±1.8 dB	±2.0 dB
	Any 36 MHz	±0.25 dB	±0.25 dB	±0.5 dB	±0.75 dB	±1.0 dB
Input Return Loss	Typical	14 dB	14 dB	12 dB	12 dB	12 dB
	Minimum	10 dB	10 dB	10 dB	8 dB	8 dB
Output Return Loss	Typical	18 dB	18 dB	14 dB	12 dB	12 dB
	Minimum	12 dB	12 dB	12 dB	8 dB	8 dB
1dB GCP		+5 dBm				
Noise Figure		10.5 dB				
Input Isolation		>50 dB				
Output Isolation	Selected	>18 dB				
	Not Selected	>80 dB				
Input RF Power		+16 dBm Absolute maximum			num	

Power				
PSU Power	85-264Vac 50-60Hz	Fused 2A		
AC Consumption	38W	Max. consumption at steady state		
LNB Power	13/18V nominal, 0.5A via common (RF IN) ports	Each channel fused and monitored		
PSU	Dual redundant and alarmed	Diode OR. Hot Swap		
Hot-Swap PSU	Yes			
MTBF (hours)	334,199			

System Control				
Remote Control and monitoring	Via RS232/485 serial port and RJ45 Ethernet port on rear panel	Enables selection of LNB voltage and provides monitoring of LNB current and alarms status		
Local Control	Via front panel push buttons	Enables selection of LNB voltage & output switch position		
Display	Front panel LEDs for voltage selection & power supply status			
Alarms	Dry contact (D-type) & Ethernet (RJ45)	PSU Failure and low/high LNB Current		

Preliminary Specifications

Environmental				
Operating temperature	0 to 45°C			
Location	Indoor use only			
Storage temperature -20°C to +75°C				
Humidity	20 to 90% non-condensing	Relative Humidity		
Altitude	10,000 feet AMSL	Above mean sea level		

Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	4 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.









