ETL Systems
Excelling in RF Engineering

Model Number:
D0116S2ULA-22250-xxxx

16-way Single L-band Active Splitter with DC & 10MHz Pass

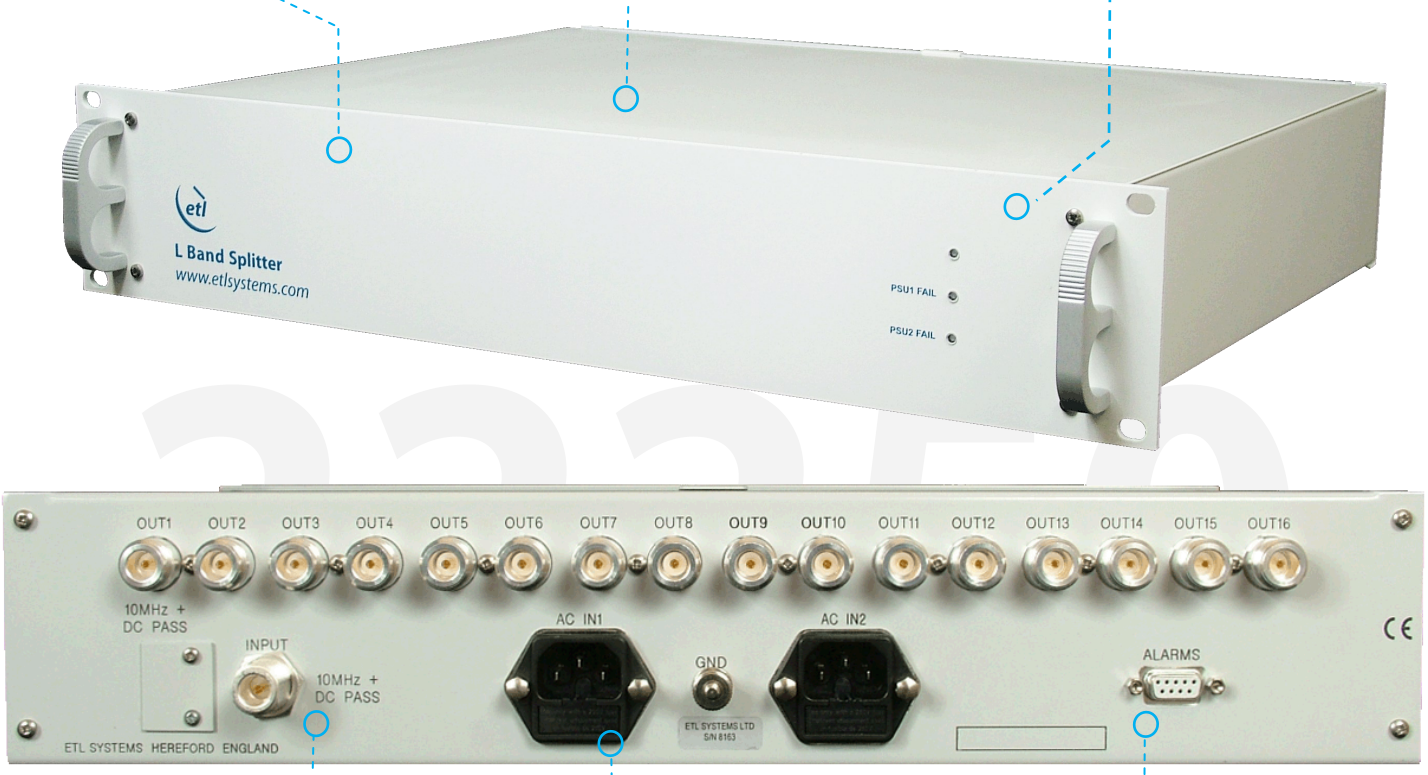
Typical applications:

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

850 - 2150 MHz operating frequency range.

Compact housed in a 2U high chassis

Monitoring via LEDs to indicate amplifier and power supply status



10MHz & DC Pass from an external source

Resilience from dual redundant power supplies

Dry contact alarm port for power supply status

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Technical specifications and operating parameters

RF Parameters						
Capacity		16-way				
Frequency Range		850-2150 MHz (L-band)				
RF Connectors		50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type
Flatness	850-2150MHz	±1.25 dB	±1.25 dB	±1.35 dB	±1.5 dB	±1.75 dB
	Any 36MHz	±0.35 dB	±0.35 dB	±0.4 dB	±0.5 dB	±0.6 dB
Input Return Loss	Typical	15 dB	15 dB	15 dB	15 dB	15 dB
	Minimum	12 dB	12 dB	12 dB	12 dB	12 dB
Output Return Loss	Typical	15 dB	15 dB	15 dB	15 dB	15 dB
	Minimum	12 dB	12 dB	12 dB	12 dB	12 dB
Gain		1±1.0 dB, mean across band				
Isolation	Typical	>25 dB				
	Minimum	>23 dB				
Noise Figure		<13 dB				
Input RF Power		16 dBm, Absolute maximum				
Output 1dB GCP		0 dBm				
DC Pass		Yes	Port one to the common port only. All other ports DC blocked.			
10MHz Pass		<1 dB insertion loss				

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 AMSL

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	<20W	Max. consumption at steady state
LNB Power	None	
PSU	Dual redundant with dual IEC inlets	Diode OR. Not hot swap

System Control	
Alarms	Dry contact, (D-type) for PSU alarm
Display	Front panel LEDs for Power & PSU status

Physical	
Dimensions	2U high x 350mm deep x 19” wide
Weight	8 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.

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

RoHS COMPLIANT
Pb-Free
ISO 9001 certified
UKAS QUALITY MANAGEMENT 078