



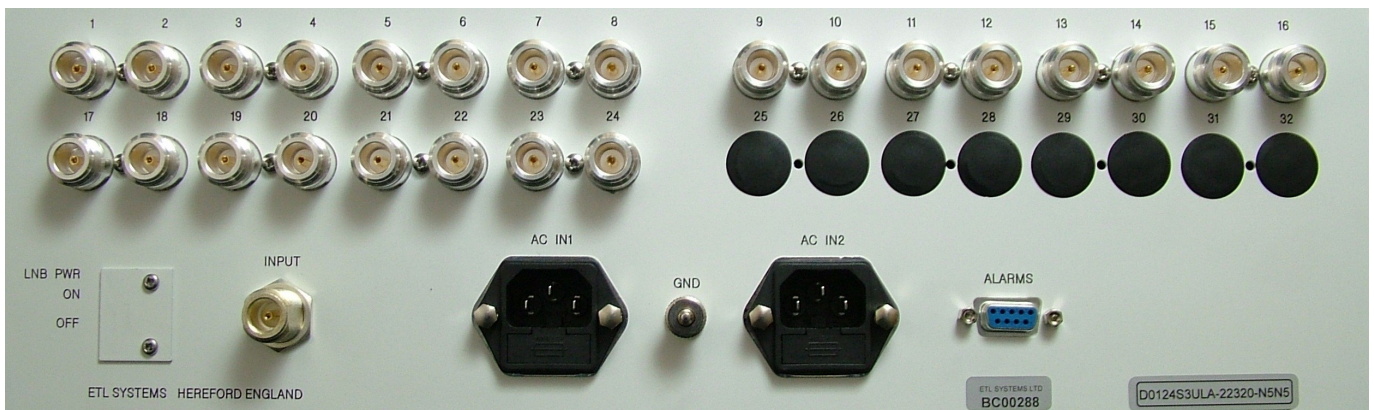
Model Number: D0124S3ULA-22320-xxxx

24-way Single L-band Active Splitter

With dual redundant amplifiers



This single 24-way active splitter is housed in a 3U high, 19" rack mountable shelf and operates over the 850-2150MHz frequency range.



RF Connector Options: This unit is available in a variety of connector types and impedances (model numbers will vary).

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality
- 300 to 1000 MHz to cover **Broadband applications**

Benefits & features:

- Automatic cold standby dual redundant amplifiers on the input providing unity gain
- Dual redundant power supplies for reliability in service
- Front Panel LEDs for PSU status
- Dry contact alarm port on rear panel for PSU failure





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24-way L-band Active Single Splitter with dual redundant amplifiers

Technical specifications and operating parameters

RF Parameters						
Capacity	24-way					
Frequency Range	850-2150 MHz (L-band)					
Gain	0 ± 2 dB		Mean across band			
Connector & impedances	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Gain Flatness	Full band	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 2.0 dB	± 2.3 dB
	Any 36MHz	± 0.5 dB	± 0.5 dB	± 0.5 dB	± 0.8 dB	± 1.0 dB
Input Return Loss	Typical	16 dB	16 dB	16 dB	14 dB	14 dB
	Minimum	12 dB	12 dB	12 dB	10 dB	10 dB
Output Return Loss	Typical	16 dB	16 dB	16 dB	14 dB	14 dB
	Minimum	12 dB	12 dB	12 dB	10 dB	10 dB
Isolation	Typical	28 dB	28 dB	28 dB	26 dB	26 dB
	Minimum	21 dB	21 dB	21 dB	18 dB	18 dB
Group Delay Variation	Full band	2 ns maximum		<0.5 ns typical		
	Any 36MHz	1 ns maximum		<0.3ns typical		
Amp Redundancy	1-to-1 redundant					
Output 1dB Compression	-5 dBm					
Noise Figure	14 dB					
Input RF Power	16 dBm		Absolute maximum			
In Band Spurious	<-80 dBm					

Power		
AC Power	85-264Vac 50/60Hz	
AC Consumption	<10 W	
LNB Power	None	
PSU	Dual redundant with dual IEC inlets	Diode OR
Hot-swap PSU	No	

Physical	
Dimensions	3U high x 350mm deep x 19" wide
Weight	10 kg
Colour	White 00-E-55 semi-gloss

System Control	
Display	Front Panel LED's for Amplifier & PSU status
Alarms	Dry contact alarm port on rear panel for PSU failure

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

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