

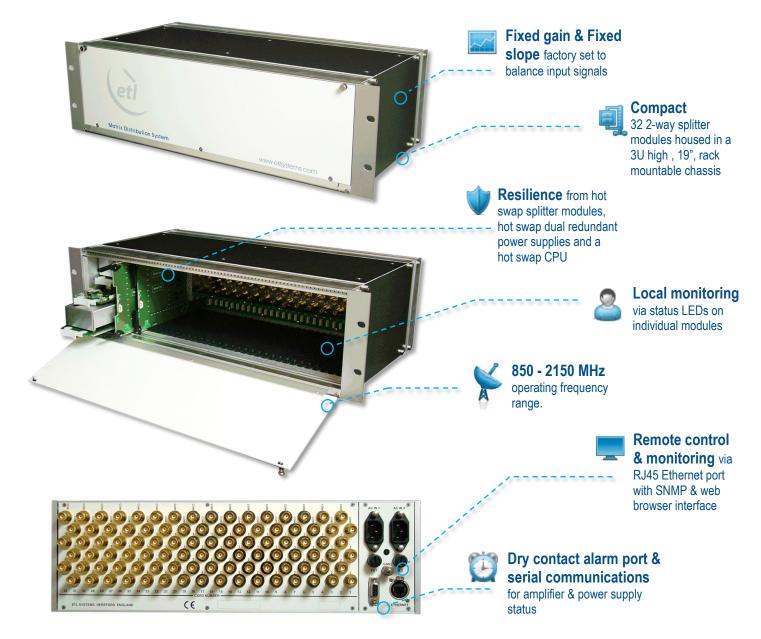
32 x 2-way Active L-band Splitter Shelf

for Matrix Systems

The unit is designed to link ETL's range of matrices to make bigger matrix systems, while saving rack space and offering excellent RF performance.

Typical applications:

- Linking RF Matrices in expanding satellite teleports.
- Can be used for high density RF distribution chassis where rack space is limited
- As a replacement for non hotswap passive systems to improve system design.



















Model Number: 22302-DIV24-Gx-Sy

Technical specifications and operating parameters

RF Parameters					
22302 Module slots used		Each splitter takes 1 slot. 32 slots available in chassis.			
Capacity		2-way splitter			
Frequency Range		850-2150 MHz (L-band) *See application note below for use above 2150MHz.			
Gain		x± 1dB		x=0 to 10 dB. Nominal at 2150 MHz	
Slope		y dB positive slope		y=0 to +6 dB. Typical slope across 850-2150 MHz.	
RF Connectors		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Flatness	850-2150MHz	±0.75 dB	±1.0 dB	±1.8 dB	±2.0 dB
riatriess	Any 36MHz	±0.45 dB	±0.70 dB	±1.2 dB	±1.4 dB
Input	Typical	16 dB	14 dB	12 dB	10 dB
Return Loss	Minimum	12 dB	12 dB	10 dB	8 dB
Output	Typical	16 dB	14 dB	12 dB	10 dB
Return Loss	Minimum	12 dB	12 dB	10 dB	8 dB
Isolation	Card to Card	>70 dB, 80 dB typical			
เรยเสแบท	O/P - O/P	>20 dB, 25 dB typical			
Noise Figure		7 dB Typical			
1dB GCP		+3 dB Minimum 1dB Gain Compression Point, output power			
Input RF Power		+ 16 dBm Absolute maximum			

*Extended	Frequency	Use App	lication I	Note:
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These cards may be used for frequencies above 2150MHz with little degradation to the return loss performance up to 3000MHz; but note that the insertion gain typically plateaus at 2150MHz (the slope pivot point). This lack of slope compensation is likely acceptable for short cable runs (<2m). Please contact ETL Systems for further information if required.

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.

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A, Dual IEC
Power Consumption	<30 W	Fully populated with DIV24 cards
LNB Power	None	
PSU	Dual redundant	Diode OR
Hot-swap PSU	Yes	
RF Monitoring	None	

System Control		
Local Control	Via Front Panel LCD and push buttons	
Remote Control	Via RS232 serial port & RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface.	
Alarms	LED via CPU in chassis	Also amplifier status monitoring via HMI when used in a matrix switch system.

Physical		
Dimensions	3U high x 250mm deep x 19" wide	
Weight	<10 kg	
Colour	RAL9003-White (semi-matte)	













