



## Model Number: 22308-DIV82-Gx-Sy

# 32 x 8-way L-band Active Splitter Shelf for Matrix Systems

With hot-swap CPU, dual redundant power supplies & RF Modules



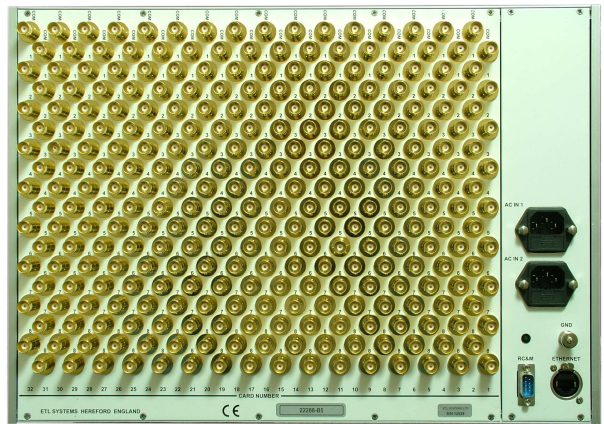
Front View of  
Model 22308-DIV82-Gx-Sy

This modular matrix splitter system holds up to 32 single active 8-way L-band splitter modules in a 7U high, 19" rack mountable chassis. 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.

This system has been designed with resilience in mind. Resilience is provided via hot swap splitter modules, hot swap dual redundant power supplies, and a hot swap CPU.

Matrix system RF performance can be optimized by factory setting of the Gain (Gx) and Slope Compensation (Sy); either to meet system RF requirements or to compensate for cable losses.

Remote Monitoring of the system can be done via the serial and Ethernet ports on the rear panel. This unit also includes Web Browser Interface as standard. Each RF module has an LED which provides simple local status monitoring.



Rear View of Model 22308-DIV82-Gx-Sy

This unit is available in a variety of impedances and connector types. ETL also offer a combiner version of this system (model numbers will vary).





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32 x 8-way Active Splitter Shelf for Matrix Systems with hot-swap CPU, dual redundant power supplies & RF Modules

RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters					
Capacity	Up to 32 Splitter Modules (16 x A Modules & 16 x B Modules)				
Frequency Range	850-2150 MHz (L-band)				
RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type	
Flatness CF Slope selection	850MHz-2150MHz	± 0.75	± 0.75	± 1.25	± 1.25
	Any 36MHz band	± 0.5	± 0.5	± 0.75	± 0.75
Input Return Loss	18 dB typ	15 dB typ	12 dB typ	12 dB typ	
	14 dB min	12 dB min	10 dB min	10 dB min	
Output Return Loss	18 dB typ	15 dB typ	12 dB typ	12 dB typ	
	14 dB min	12 dB min	10 dB min	10 dB min	
Gain	x ± 1 dB		Nominal, at 2150 MHz		
	x = 0 to + 10 dB				
Slope	y dB positive slope		Typical slope across 850 to 2150 MHz		
	y = 0 to +6 dB				
1dB Compression	+ 7 dB at output				
Card to Card Isolation	65 dB				
Port to Port Isolation	23 dB Typical , between any two output ports				
Noise Figure	14 dB typical				

Environmental (Chassis)	
Operating temperature	0 to 55°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical (Chassis)	
Input Connectors	BNC, SMA or F-type - as rear panel adaptor
Input Impedance	75Ω or 50Ω
Output Connectors	BNC, SMA or F-type - as rear panel adaptor
Output Impedance	75Ω or 50Ω
DC Blocking	Yes
Dimensions	7U high x 250mm deep x 19" wide
Weight	15 kg TBC
Colour	White 00-E-55 semi-gloss

Power (Chassis)		
AC Power	100-240Vac 50/60Hz	Time delay Fused 2A
AC Consumption	60W, total AC input	
LNB Power	None	
PSU	Dual redundant	Diode OR
Hot-swap PSU	Yes	

System Control (Chassis)	
Display	Status LEDs on individual modules and summary status LED on rear panel of chassis
Remote Interface	RS232 & RJ45 Ethernet 10baseT
Protocols	Serial (also over TCP/IP), Web Browser Interface, SNMP

Key Features	
Dual Redundant Hot-swap PSU's	
Hot-swap CPU and Hot-swap Splitter Modules	
Remote Control & Monitoring	
For use with L-band Matrix Systems	

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

