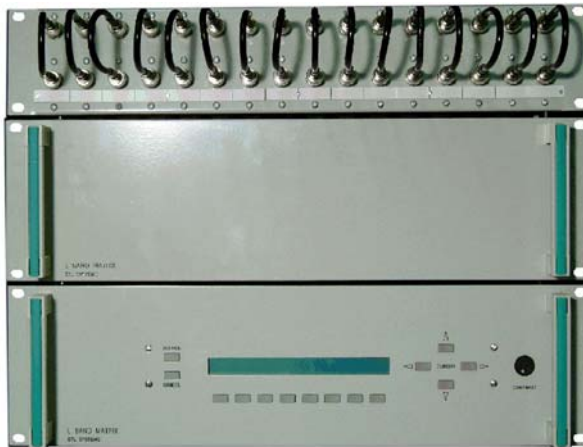




32 x 16 L-band Matrix (Modular Expansion)

This **32 x 16 matrix** is based on the ETL 3U L-band 16 x 16 distributive matrix (see data sheet on model M1616D3UFL-B5). The matrix system comprises a master matrix module (3U) with integrated dual redundant power supplies, plus a slave matrix module (3U) with integrated dual redundant power supplies, plus an active output combiner panel (3U), giving a total system of 9U (patch on front is option).



Picture of 32x16 L-band Matrix

The matrix incorporates a standard ETL controller which can be remotely controlled via either a PC (using ETL software) or integrated into an M & C system. Dual redundant integrated power supply modules provide security against the impact of unforeseen failure. In the event of total power failure, all matrix settings are retained. The unit is normally equipped with BNC connectors but SMA or F-type connectors can be fitted. Modular expansion is possible by linking the matrix to other slave units via RS485 to give a 32 x 32 matrix for example.

ETL Model Number – N3216D3UFL-B5



RESILIENCE FLEXIBILITY RF PERFORMANCE

Technical Specifications



• RF Parameters

Capacity	32 inputs x 16 outputs
Frequency Range	850 – 2150 MHz
Insertion Gain	0 dB nominal (± 2 dB)
1 dB Compression	-10 dBm
Noise Figure	7.5 dB
Isolation (I/P to O/P)	40 dB
Flatness	± 3 dB
Input Return Loss	>10 dB
Output Return Loss	>10 dB

• System Control

Local Control	Push Buttons
Remote Control	RS232/485 serial

• Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage Temperature	-20°C to +75°C
Humidity	85% Non-condensing

ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please visit our website. This range can be used as the basis to meet your specific demands.

• Physical

Connectors	BNC (others available)
Impedance	50 Ω
Dimensions	9U high x 19" wide
Colour	White 00-E-55 Semi-Gloss Front Panel

• Power

AC Power	85-264Vac 50/60Hz
LNB Power	None available
PSU	Dual
PSU Redundancy	Yes

• Key Features

Simple protocol for M & C integration

Unity Gain

Integrated Controller

Retains settings if power/comms with controller fails

For additional information or details, please contact us at:



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