



# 8x8 L-band Switch Matrix

The ETL L-band **distributive matrix** is a high performance switch matrix (or router) with up to 8 inputs and 8 outputs, integrated power supplies and matrix controller in a 2U high shelf. The matrix incorporates a standard ETL controller which can be remotely controlled via a PC (using ETL software) or integrated into an M & C system.



*Picture of Front and Rear Panel of an 8x8 L-band Matrix*



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 other models are available. The unit can be supplied in a partially populated state but the units must be returned to base for later expansion or maintenance. Modular expansion is possible by linking the matrix to other slave units via RS485.

ETL Model Number – M0808D2UFL-F7



**RESILIENCE FLEXIBILITY RF PERFORMANCE**

# Technical Specifications



## • RF Parameters

Capacity	8 inputs x 8 outputs
Frequency Range	850MHz – 2150MHz
Gain	+3 dB $\pm$ 1.5 dB nominal
Flatness	$\pm$ 1 dB typical
1dB Compression	+2 dBm typical
Noise	7.5 dB
Input Return Loss	10 dB typical
Output Return Loss	12 dB typical
Isolation (I/P to O/P)	>40dB

## • System Control

Local Control	Push Buttons
Remote Control	RS232/485 serial (or RJ45 Ethernet connection-as an option, see M0808D2UFL-F7-E)

## • Environmental

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

## • Physical

Connectors	F-type (others available)
Impedance	75 $\Omega$
Dimensions	2U high x 450mm deep x 19" wide
Weight	11 kgs
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

Integrated Controller

Retains settings if power/comms with controller fails

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.

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