



Model Number: **M0808D2UFL-B5B5-A**

RF Engineering
and Custom Build

8 x 8 L-band Distributive Matrix

With Local & Remote Control (via RJ45 Ethernet Port and RS232/422/485 Serial Port)



Front View of Model M0808D2UFL-B5B5-A

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. This unit can be locally controlled via front panel push buttons and display or remotely via the rear panel serial and Ethernet port, including SNMP and Web Browser Interface.

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.



Rear view of similar model

The unit is supplied with 50 ohm BNC connectors, but a range of connector types and impedances are available (model numbers will vary). 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.





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Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

RF Parameters

Capacity	8 inputs x 8 outputs		
Routing	Distributive	One input can be routed to many outputs	
Frequency Range	850-2150 MHz (L-band)		
Gain	+3 dB \pm 1.5 dB nominal, mean across band		
Flatness	850-2150MHz	\pm 2 dB	\pm 1.5 dB typical
	Any 36MHz band	\pm 0.75 dB	
1 dB Compression	0 dBm	+2 dBm typical	
Isolation	I/P - O/P	>40 dB	
Noise Figure	12 dB		
Input Return Loss	10 dB		
Output Return Loss	12 dB		

System Control

Local Control	Via Front Panel display and push buttons
Remote Control	Via rear panel Serial (RS232/422/485) Port and Ethernet (RJ45) Port, including SNMP & Web Browser Interface
Display	Front Panel display
Alarms	Dry contact alarm port on rear panel for PSU failure

Environmental

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

Power

AC Power	85-264Vac 50/60Hz Fused 2A
LNB Power	None
PSU	Dual redundant
Hot-swap PSU	No

Physical

Input Connector	BNC
Input Impedance	50 Ω
Input Connector	BNC
Input Impedance	50 Ω
Dimensions	2U high x 450mm deep x 19" wide
Weight	11 kg
Colour	White 00-E-55 semi-gloss

Key Features

Local and remote control
Front Panel display
Dual redundant power supplies

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