

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.

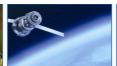


Rear view of similar model

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 ± 1.5 dB nominal, mean across band		
Flatness	850-2150MHz	± 2 dB	± 1.5 dB typical	
	Any 36MHz band	± 0.75 dB		
1dB 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	Dualredundant	
Hot-swap PSU	No	

Physical		
Input Connector	BNC	
Input Impedance	50Ω	
Input Connector	BNC	
Input Impedance	50Ω	
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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