

Model Number: M0802B3UFO-21152-S5



8 x 2 SHF Blocking Matrix

With Local & Remote Control via Ethernet Port



This ETL SHF matrix is a high performance blocking switch matrix (or router) with 8 inputs and 2 outputs, integrated power supplies and matrix controller in a 3U shelf. It has a frequency operating range of 3 GHz to 18 GHz.

Front View of Model M0802B3UFO-21152-S5

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. This passive matrix allows any input to be routed to any output and utilises latching, self terminating coaxial relays/multi-switches with isolation (minimum 60 dB at 18 GHz), and an expected operating life of 106 cycles.



Rear View of Model M082B3UFO-21152-S5

In the event of total power failure, all matrix settings are retained, and the latching relays will maintain the routed paths through the matrix providing uninterrupted operation. The unit is normally equipped with 50Ω SMA connectors.



RESILIENCE

RELIABILITY

RF PERFORMANCE

CUSTOM BUILD

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Technical specifications and operating parameters

RF Parameters	
Capacity	8 inputs x 2 outputs
Frequency Range	3 GHz – 18 GHz (SHF)
Isolation (I/P to O/P)	60 dB at 18 GHz
Insertion Loss	< 6 dB at 18 GHz
Switch Type	Coaxial Relay / Multi-switch
Expected Switch Life	10 ⁶ cycles

System Control	
Local Control	LCD Display and keypad
Remote Control	Via TCP/IP RJ45 Ethernet Port

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

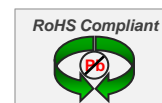
Physical	
Connectors	SMA
Impedance	50Ω
Dimensions	3U high x 450mm deep x 19" wide
Colour	Matt Black or White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	90-264V AC (50/60Hz)
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features	
Simple Protocol for M & C Integration	
Integrated Controller	
Alarmed internal Dual PSU's	
Local & Remote Control	

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ETL Systems design, develop and manufacture specialist equipment for satellite ground stations. For a full description of the ETL product range, please see our website at www.etlsystems.com. This product range provides the basis for meeting your specific demands.



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