MRM 2500 SERIES
RF Matrix Routing System (800-2500 MHz)

QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV ISO 9001:2000

General Description:

The **MRM 2500** is a matrix switch and switching subsystem that allows any of 4 to 16 inputs carrying RF signals to be routed to any of 4 to 16 outputs. The system utilizes patented stack-and-tier technology which offers ultra-reliable, high-performance, in a compact, modular design. This greatly reduces the size and complexity of the system while greatly enhancing the system's reliability by eliminating the need for patch panels and repetitive mechanical connections. The system is controllable either locally via the front panel keypad or remotely via computer and is compatible with most monitoring and control systems. The rear panel design facilitates structured cable routing, thereby eliminating confusing tangles and bundles of cables.

Specifications:

Frequency:	800-2500 MHz
Impedance:	50 Ω
Max. Survivable Input Power:	+20 dBm
Insertion Loss/Gain:	0 ± 3 dB
1 dB Compression Input:	+15 dBm
$3^{rd}/2^{nd}$ Order Output Intercept Point:	+25 dBm/+30 dBm
Frequency Response:	± 3 dB
Isolation (input-to-input):	≥ -45 dB
Isolation (output-to-output, different input):	≥ -55 dB
Isolation (output-to-output, common input):	≥ -40 dB
Isolation (input-to-output):	≥ -45 dB
Input Return Loss:	11 dB
Output Return Loss:	10 dB
Noise Figure:	≤ 14 dB (800-2200 MHz) typ. ≤ 16 dB (2200-2500 MHz) typ.
RF Connectors:	BNC, 50 Ω
Power Requirements:	Auto-ranging 100-240 V~, 50/60 Hz. N+1 internal PSU's for redundancy.
Power Consumption:	450 W (for 16x16 configuration)
Local Control:	Front panel keypad with LCD display
PC Remote Control:	RS-232, RS-422/485, or ETHERNET via customer-supplied PC
Mechanical:	3 RU (5.25" H x 19" W x 24" D)
Weight:	32.5 lbs.
Software:	Basic PC-compatible operating software and system protocol included with system
Available Configurations:	4x4, 4x8, 4x12, 4x16, 8x4, 8x8, 8x12, 8x16, 12x4, 12x8, 12x12, 12x16, 16x4, 16x8, 16x12, 16x16

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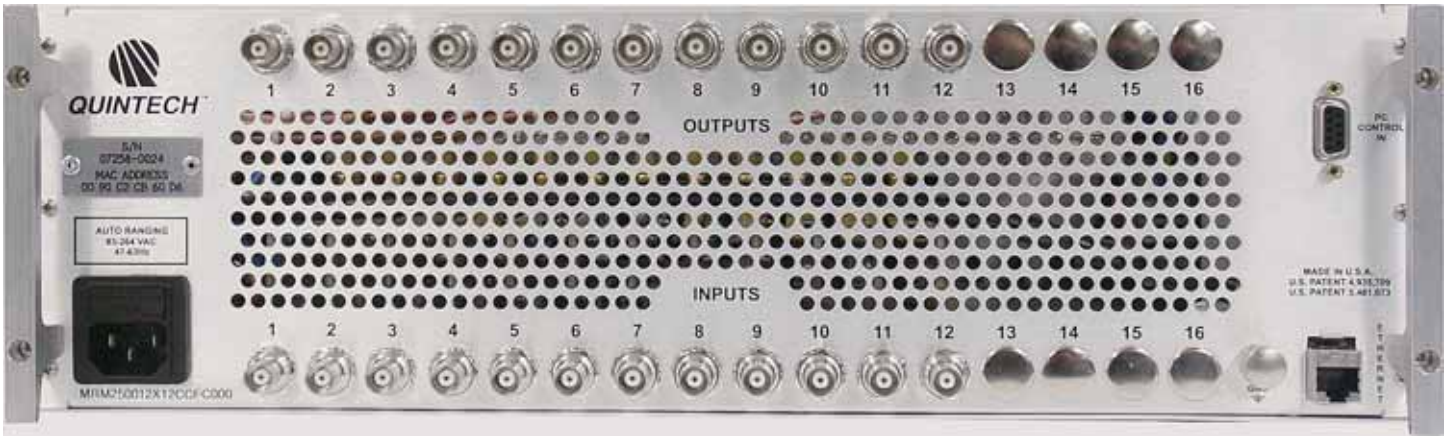

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