QUINTECH®
The Source for RF Reliability

MRM 1100 SERIES
RF Matrix Routing System (20-1100 MHz)

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008

General Description:

The **MRM 1100** is a matrix switch and switching subsystem that allows any of 4 to 16 inputs carrying RF signals to be routed to any or all 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:	20-1100 MHz
Impedance:	50 Ω
Max. Survivable Input Power:	+30 dBm
Insertion Loss:	0 dB ± 2 dB
Frequency Response:	± 3 dB
1 dB Compression Input:	≥ +12 dBm
$3^{rd}/2^{nd}$ Order Output Intercept Point:	≥ +25 dBm/+45 dBm
Isolation (input-to-input):	≥ 60 dB
Isolation (output-to-output, different input):	≥ 60 dB
Isolation (output-to-output, common input):	≥ 45 dB
Isolation (input-to-output):	≥ 55 dB
Input Return Loss:	13 dB
Output Return Loss:	14 dB
Noise Figure:	≤ 14 dB
RF Connectors:	BNC, 50 Ω
Power Requirements:	Autoranging 100-240 VAC, 50/60 Hz. N+1 internal PSUs for redundancy.
Power Consumption:	400 W (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)
Software:	Basic IBM-compatible operating software and system protocol included with system
Available Configurations:	8x16, 16x16
	Please call for other available configurations.

Buy Now!

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