

SRM 200 SERIES

Modular RF Matrix Switching System



General Description:

The **SRM 200** is a matrix switch and switching subsystem that allows any of 16 to 256 inputs carrying RF signals to be routed to any of 16 to 256 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:

	<u>70 MHz</u>	<u>140 MHz</u>	<u>200 MHz</u>
Frequency:	70 \pm 20 MHz	140 \pm 40 MHz	5-200 MHz
Insertion Loss:	0 \pm 0.5 dB	0 \pm 0.5 dB	0 \pm 1.5 dB
Impedance:	75 Ω (50 Ω opt.)	75 Ω (50 Ω opt.)	75 Ω (50 Ω opt.)
P1dB:	+5 dBm	+5 dBm	+5 dBm
Frequency Response:	\pm 1 dB	\pm 1 dB	\pm 1 dB
Isolation (input-to-input):	60 dB	60 dB	60 dB
Isolation (output-to-output):	60 dB	60 dB	60 dB
Isolation (input-to-output):	65 dB	65 dB	65 dB
Return Loss:	14 dB	14 dB	14 dB
Control Response Time:	1.26 msec.	1.26 msec.	1.26 msec.
Switching Speed:	40 nsec.	40 nsec.	40 nsec.
RF Connectors:	Type "F", 75 Ω (BNC, SMA, or N optional)		
Power Requirements:	100-240 VAC, 50/60 Hz. Dual AC inputs and dual internal PSUs for redundancy.		
Local Control:	Front panel keypad with LCD display		
PC Remote Control:	RS-232, RS-422/485, IEEE 488 (GPIB), or TCP/IP 10 BaseT via customer-supplied PC, SNMP, TELNET		
Inter-Module Control Data:	Synchronous serial		
Mechanical:	3 RU (5.25" H x 19" W x 20" D)		
Software:	Basic IBM-compatible operating software and system protocol included with system		
Available Sizes:	Any configuration up to and including 256 x 256 outputs		



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