

SPECIFICATION SHEET

JFW MODEL 50MS-288

8 X 8 NON-BLOCKING SOLID STATE MATRIX SWITCH

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Frequency Range	20-1000 MHz
Configuration	8 x 8 Non-Blocking Matrix (See block diagram 092-2886) (Unused input ports are self-terminating) (Unused output ports are self-terminating) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Startup/Default States (configurable)	All ports off at startup (see MATRIX command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Enclosure Type	19 inch rack mount @ 5RU high
Impedance	50 Ohms nominal
VSWR	1.4:1 typical / 1.6:1 maximum
Insertion Loss	13dB typical @ 20MHz 14dB typical @ 1000MHz 15dB maximum 20-1000MHz
Isolation	Output to Output - 30 dB typical (Set to same input) - 20 dB minimum Output to Output (Set to diff inputs) - 90 dB typical - 70 dB minimum Input to Output - 90 dB typical - 70 dB minimum Input to Input - 90 dB typical - 70 dB minimum
RF Input Power	+20 dBm average +27 dBm (no damage)
Switching Speed	20 microseconds (after command is received and processed) (3 milliseconds typical processing time)

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