SPECIFICATION SHEET

JFW MODEL 50MS-288

8 X 8 NON-BLOCKING SOLID STATE MATRIX SWITCH

JFW Industries, Inc. Phone: 317-887-1340 sales@jfwindustries.com www.jfwindustries.com

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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Manual Control	20-Button Keypad and LCD displa (IP Address configurable via ke (Net mask configurable via keyp (Gateway configurable via keypa (Baud rate configurable via key	ypad) ad) d)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, RS-232 (up to 115200 Baud)	up to 12 users)
Remote Commands	Matrix Commands: Matrix, Set Input, Set Output, Output, Read All Inputs, Read A Paths	
	System Commands: Help, Identification, Store, Re Serial, Close, Disconnect, MOTD Restrict, IDENT, Name, Show Use Prompt	, Date, Message,
RF Connector	N female	
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-0	21
Temperature Ranges	Operating: 0°C to +70°C Storage: -55°C to +85°C	
Physical Size	See outline drawing 092-7159	

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JFW FORM E-7-F REV F