Frequency Range	5–1218 MHz
Configuration	4 x 8 Non–Blocking Electro–Mechanical Matrix Switch (unused input ports are self–terminating) (unused output ports are self–terminating) (all ports are bi–directional) (see block diagram 092–7876)
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	75 Ohms nominal
RF Connectors	F female
VSWR	1.9:1 maximum 1.6:1 typical
Insertion Loss	15.7 dB maximum 13.7 dB typical @ 1218 MHz

Isolation	Input to Input: 60 dB minimum
	                          >70 dB typical
	
	Input to Output: 60 dB minimum
	                          >70 dB typical
	
	Output to Output: 60 dB minimum
	(set to diff inputs) >70 dB typical
	
	Output to Output: 18 dB minimum
	(set to same input) 22 dB typical

RF Input Power	+20 dBm
Switching Speed	10 milliseconds (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20–Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, 10/100, TCP/IP, up to users) RS–232 (Up to 115200 baud)
Startup/Default States (configurable)	ALL PATHS OFF (see MATRIX command/STARTUP keyword) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)

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SPECIFICATION SHEET

JFW MODEL 75MS-051

MATRIX SWITCH

Remote Command Format

Matrix Control Commands:
Set Input, Set Output, Read Input,Read Output

System Commands:
Help, Identification, Store, Recall, Pause, Net,
Serial, Close, Disconnect, MOTD, Date,Message,
Restrict, IDENT, Name, Show Users, Reboot,
Uptime,Prompt

AC Supply

100-240 VAC @ 47-63 Hz

Operating Temperature Range

0° to +50°C

Physical Size

See outline drawing 092-8096

ECR/ECN # DATE	REV APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
10/04/2021	TRS 10/04/2021		