

SPECIFICATION SHEET

JFW MODEL 75MS-050

MATRIX SWITCH

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

Frequency Range	5-1218 MHz
Configuration	4 x 4 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 092-7494)
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	75 Ohms nominal
RF Connectors	F female
VSWR	1.8:1 maximum 1.5:1 typical
Insertion Loss	11.8 dB maximum 9.8 dB typical @ 1218 MHz
Isolation	Input to Input: 60 dB minimum >70 dB typical Input to Output: 50 dB minimum >70 dB typical Output to Output: (set to diff inputs) 60 dB minimum >70 dB typical Output to Output: (set to same input) 18 dB minimum 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)

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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

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)

AC Supply

100-240 VAC @ 47-63 Hz

Operating Temperature Range

0° to +50°C

Physical Size

See outline drawing 092-9792



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