

SPECIFICATION SHEET**JFW MODEL 50MS-337****MATRIX SWITCH**JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range 700-3000 MHz

Configuration 24 x 4 Blocking Solid-State Matrix Switch
(see block diagram 092-8813)
(Unused Input Ports self-terminating)
(Unused Output Ports 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 SWITCH STARTUP command)
DHCP enabled (see NET command)
4 Ethernet users (see NET USERS command)
Prompts off (see PROMPT command)

Enclosure Type 19 inch rack mount @ 7RU high

Impedance 50 Ohms nominal

VSWR 1.6:1 typical / 1.8:1 maximum

Insertion Loss 5 dB typical @ 700 MHz
8 dB typical @ 3000 MHz

Isolation Input to Input:
70dB typical / 50 dB minimum

Output to Output:
75dB typical / 65 dB minimum

Input to Output:
100 dB typical / 90dB minimum

RF Input Power +20 dBm average

Switching Speed 15 microseconds
(after command is received and processed)
(3 milliseconds typical processing time)

AC Supply 100-240 VAC @ 47-63 Hz
4 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-004, JFW #025-018

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, TCP/IP, 10/100, up to 12 users)
RS-232 (up to 115200 Baud)

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Remote Commands

Matrix Commands:
Set Output, Read Output, Read All Outputs

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

RF Connector

N, SMA or TNC female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-8175



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/25/2014		TRS 11/25/2014				
27728	04/19/2017	A	TRS 04/19/2017				