

**SPECIFICATION SHEET**

**JFW MODEL 50MS-337**

**24 X 4 BLOCKING SOLID STATE MATRIX SWITCH**

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

Frequency Range	700-3000 MHz
Configuration	24 x 4 Blocking Matrix (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				