

**SPECIFICATION SHEET**

**JFW MODEL 50MS-340**

**MATRIX SWITCH**

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

Frequency Range	500-6000 MHz
Configuration	40 x 8 Blocking Matrix Switch (unused input ports are reflective) (unused output ports are reflective) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 16RU high
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)
Impedance	50 Ohms nominal
VSWR	1.8:1 maximum 1.6:1 typical
Insertion Loss	21.90 dB maximum 17.85 dB typical
Isolation	Input to Input: 100 dB minimum Output to Output: 100 dB minimum
RF Input Power	+23 dBm
Switching Speed	200 nanoseconds (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, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Remote Commands

Matrix Commands:

Matrix, Set Input, Set Output, Read Input, Read Output, Read All Inputs, Read All Outputs, Read Matrix Paths

System Commands:

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

RF Connector

SMA female or N female

Operating Temperature Range

0°C to +50°C

AC Supply

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

Physical Size

See outline drawing 092-8251



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	02/26/2015		TRS 02/26/2015				