## SPECIFICATION SHEET

JFW MODEL 50MS-463

8 X 8 NON-BLOCKING SOLID STATE MATRIX SWITCH

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

500-8400 MHz Frequency Range Configuration 8 x 8 Non-Blocking Solid-State Matrix (See block diagram 092-2886) (Unused input ports are self-terminating) (Unused output ports are self-terminating) (all ports are bi-directional) (the ADMIN password is located on rear panel) Startup/Default States All ports off at startup (see MATRIX command) (configurable) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users. 19 inch rack mount @ 4RU high Enclosure Type 50 Ohms nominal Impedance VSWR 1.7:1 typical / 2.0:1 maximum Insertion Loss 13.0 dB typical @ 500 MHz 15.4 dB typical @ 3000 MHz 20.2 dB typical @ 6000 MHz 21.2 dB typical @ 8400 MHz Isolation Output to Output - 23 dB typical (Set to same input) - 18 dB minimum Output to Output (Set to diff inputs) - 75 dB typical - 60 dB minimum Input to Output - 75 dB typical - 60 dB minimum Input to Input - 75 dB typical - 60 dB minimum RF Input Power +30 dBm (input ports) +27 dBm (output ports) Switching Speed 10 microseconds typical (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)

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Remote Control

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

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

Operating: 0°C to +70°C Storage: -55°C to +85°C

RF Connector N or SMA female

AC Supply 100-240 VAC @ 47-63 Hz

Temperature Ranges

Physical Size See outline drawing 092-9845 (SMA) 092-9846 (N)

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