

SPECIFICATION SHEET**JFW MODEL 75MS-037****2 x 12 BLOCKING SWITCH MATRIX**

JFW Industries, Inc.
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Frequency Range	DC-1700 MHz
Configuration	2 x 12 Blocking Matrix Switch Assembly (Current setting displayed via LED indicators) (Unused input ports are terminated) (Unused output ports are terminated) (See Block Diagram 092-8837)
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) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Enclosure Type	19 inch rack mount @ 5RU high
Impedance	75 Ohms nominal
RF Connectors	75 Ohm F female (OUT ports) 75 Ohm N female (IN ports)
Remote Control	Ethernet (DHCP, 10/100, TCP/IP, up to users) RS-232 (Up to 115200 baud)
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 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
Return Loss	DC-1218MHz: 22dB typical / 18 dB minimum 1218-1700MHz: 15dB typical / 14 dB minimum
Insertion Loss	1.1 dB nominal @ 1218MHz 2.0 dB maximum DC-1218MHz 1.75 dB nominal @ 1700MHz 2.50 dB maximum 1218-1700MHz

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Isolation

DC-1218MHz:

90 dB typical (Input to Input)

70 dB minimum (Input to Input)

90 dB typical (Input to Output)

70 dB minimum (Input to Output)

90 dB typical (Output to Output)

70 dB minimum (Output to Output)

1218-1700MHz:

70 dB typical (Input to Input)

60 dB minimum (Input to Input)

70 dB typical (Input to Output)

60 dB minimum (Input to Output)

70 dB typical (Output to Output)

60 dB minimum (Output to Output)

RF Input Power

+27 dBm maximum

Switching Speed

10 milliseconds

(after command is received and processed)

(3 milliseconds typical processing time)

AC Supply

100-240VAC @ 47-63 Hz

Operating Temperature Range

0° to +70°C

Physical Size

See outline drawing 092-8836

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/31/2017		TRS 05/31/2017				