

SPECIFICATION SHEET

JFW MODEL 50MS-342

BLOCKING SOLID STATE MATRIX SWITCH

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

Frequency Range	700-3000 MHz
Configuration	2 x 18 Blocking Solid-State Matrix (Unused input ports self-terminating) (Unused output ports self-terminating) See Block Diagram 092-8257
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
VSWR	1.5:1 typical / 1.8:1 maximum
Insertion Loss	5.5 dB typical @ 700MHz 8.5 dB typical @ 3000MHz
Isolation	Input to Input - 90 dB typical - 70 dB minimum Output to Output - 90 dB typical - 70 dB minimum Input to Output - 90 dB typical - 70 dB minimum
RF Input Power	+30 dBm average
Switching Speed	50 microseconds (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse#215-002, JFW#025-021
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 Command Format

Matrix 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

RF Connector

N female

Temperature Ranges

Operating: 0°C to +70°C

Storage: -55°C to +85°C

Physical Size

See outline drawing 092-8256



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/05/2015		CLK 03/05/2015				