

SPECIFICATION SHEET

JFW MODEL 50MS-323

BLOCKING SOLID STATE MATRIX SWITCH

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

Frequency Range	700-3000 MHz
Configuration	12 x 12 Blocking Solid-State Matrix (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 (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 @ 7RU high
Impedance	50 Ohms nominal
VSWR	1.5:1 typical / 1.8:1 maximum
Insertion Loss	6 dB typical @ 700MHz 8 dB typical @ 3000MHz
Isolation	Input to Input - 70 dB typical - 60 dB minimum Output to Output - 70 dB typical - 60 dB minimum Input to Output - 70 dB typical - 60 dB minimum
RF Input Power	+30 dBm average
Switching Speed	50 microseconds (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 Command Format

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

N female

AC Supply

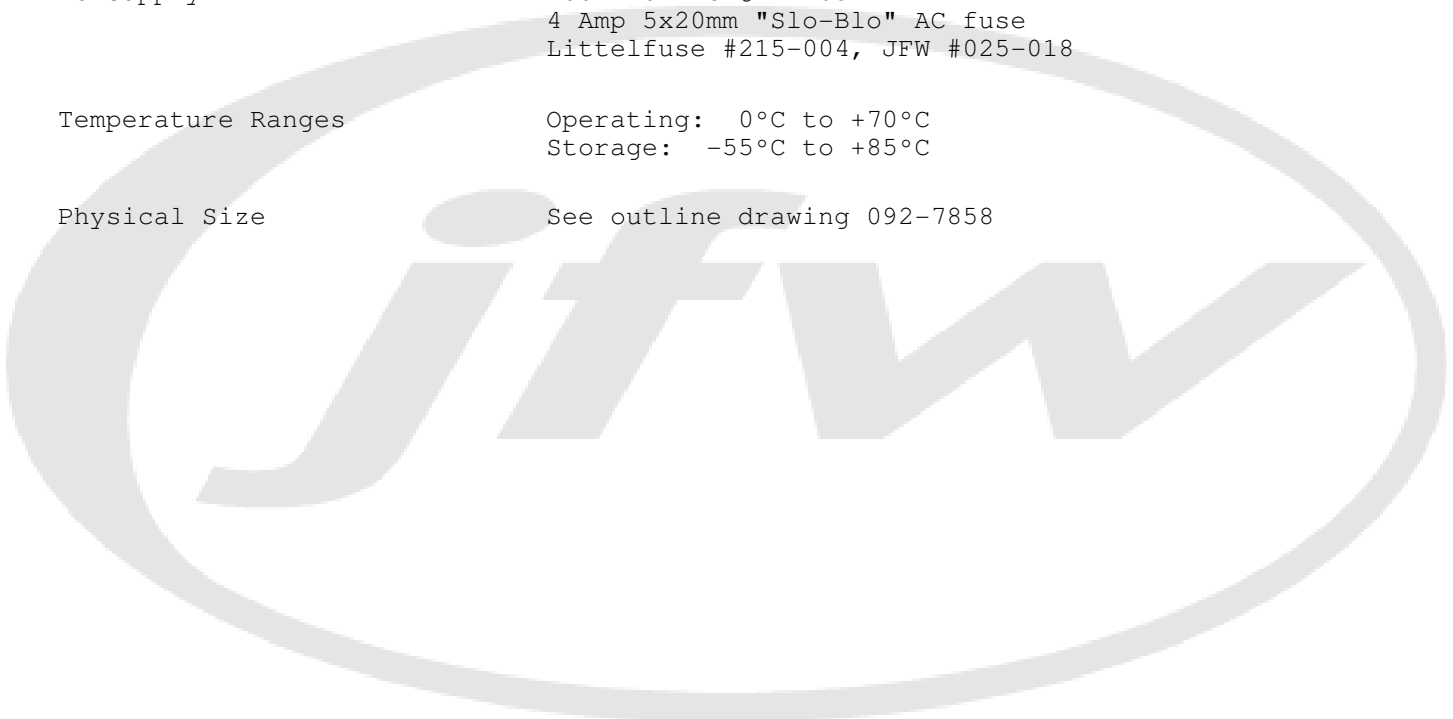
100-240 VAC @ 47-63 Hz
4 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-004, JFW #025-018

Temperature Ranges

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

Physical Size

See outline drawing 092-7858



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/30/2013		BAC 10/30/2013				
24239	07/15/2015	A	TRS 07/15/2015				