SPECIFICATION SHEET
JFW MODEL 50MS-323
MATRIX SWITCH

Frequency Range	700-3000 MHz
Configuration	12 x 12 Blocking Solid-State Matrix Switch (see block diagram 092-8812) (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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JFW FORM E-7-F REV F

SPECIFICATION SHEET

JFW MODEL 50MS-323

MATRIX SWITCH

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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				
27728	04/19/2017	B	TRS 04/19/2017				

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