

SPECIFICATION SHEET**JFW MODEL 50SA-788****SWITCH ASSEMBLY**

JFW Industries, Inc.
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Frequency Range	DC-18 GHz
Configuration	2 individually controlled 1P8T reflective normally open electro-mechanical RF switches
Enclosure Type	19 inch rack mount @ 2RU high
Startup/Default States (configurable)	RF switches OFF at startup (see SWITCH command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command)
Impedance	50 Ohms nominal
VSWR	1.25:1 maximum DC-4GHz 1.35:1 maximum 4-8GHz 1.40:1 maximum 8-12GHz 1.50:1 maximum 12-16GHz 1.80:1 maximum 16-18GHz
Insertion Loss	0.2 dB maximum DC-4GHz 0.3 dB maximum 4-8GHz 0.4 dB maximum 8-12GHz 0.5 dB maximum 12-16GHz 0.8 dB maximum 16-18GHz
Isolation	70 dB minimum DC-4GHz 65 dB minimum 4-8GHz 60 dB minimum 8-12GHz 60 dB minimum 12-16GHz 55 dB minimum 16-18GHz
RF Input Power (cold switched)	400 Watts average DC-200MHz 300 Watts average 200-500MHz 200 Watts average 500-1000MHz 100 Watts average 1-4 GHz 70 Watts average 4-8 GHz 60 Watts average 8-12.4 GHz 50 Watts average 12.4-16 GHz 45 Watts average 16-18 GHz (Hot-Switched) 1 Watt average
Switching Speed	15 milliseconds (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 RF Switch Control Commands:
Switch, Set Switch, Read Switch, Set All Switches,
Read All Switches

System Commands:
Help, Identification, Store, Recall, Pause, Net,
Serial, Close, Disconnect, MOTD, Date, Message,
Restrict, IDENT, Name, Show Users, Reboot, Uptime,
Prompt

AC Supply 100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-002, JFW #025-021

RF Connector SMA female

Control Connector RJ-45 (Ethernet)
DE-9S (RS-232)

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-10061

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/19/2023		BAC 05/19/2023				