

SPECIFICATION SHEET**JFW MODEL 50SA-371****SWITCH ASSEMBLY**

JFW Industries, Inc.
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Frequency Range	DC-18 GHz
Configuration	2 individually controlled 1P6T normally open reflective 1P6T 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	1.2:1 maximum DC-4 GHz 1.3:1 maximum 4-8 GHz 1.4:1 maximum 8-12 GHz 1.5:1 maximum 12-18 GHz
Insertion Loss	0.2 dB maximum DC-4 GHz 0.3 dB maximum 4-8 GHz 0.4 dB maximum 8-12 GHz 0.5 dB maximum 12-18 GHz
Isolation	70 dB minimum DC-4 GHz 65 dB minimum 4-8 GHz 60 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
RF Input Power	50 Watts average (Cold-switched) 1 Watt average (Hot-Switched)
Switching Speed	20 milliseconds typical (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)
Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Command Set

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

Control Connectors

RJ-11 (Ethernet)
DE-9P (RS-232)

RF Connectors

SMA female

Operating Temperature Range

0° to +65° C

Physical Size

See outline drawing 092-7436

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/14/2012		BAC 08/14/2012				
24239	12/08/2014	A	TRS 12/08/2014				