

SPECIFICATION SHEET

JFW MODEL 50SA-453

SWITCH ASSEMBLY

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

Frequency Range	DC-3000 MHz
Configuration	4 individually controlled 1P2T failsafe reflective electro-mechanical RF switches (J1 is failsafe port)
Enclosure Type	19 inch rack mount @ 2RU high
Startup/Default States (configurable)	RF switches to port J1 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	1.5:1 maximum
Insertion Loss	0.4 dB maximum
Isolation	60 dB minimum
RF Input Power (Cold Switched)	5000 Watts average DC-100 MHz 2000 Watts average 100-500 MHz 1500 Watts average 500-1000 MHz 1000 Watts average 1000-2000 MHz 800 Watts average 2000-3000 MHz
Switching Speed	20 milliseconds (after command is received and processed) (3 milliseconds typical processing time)
Lifetime	1 million operations minimum per switch
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 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

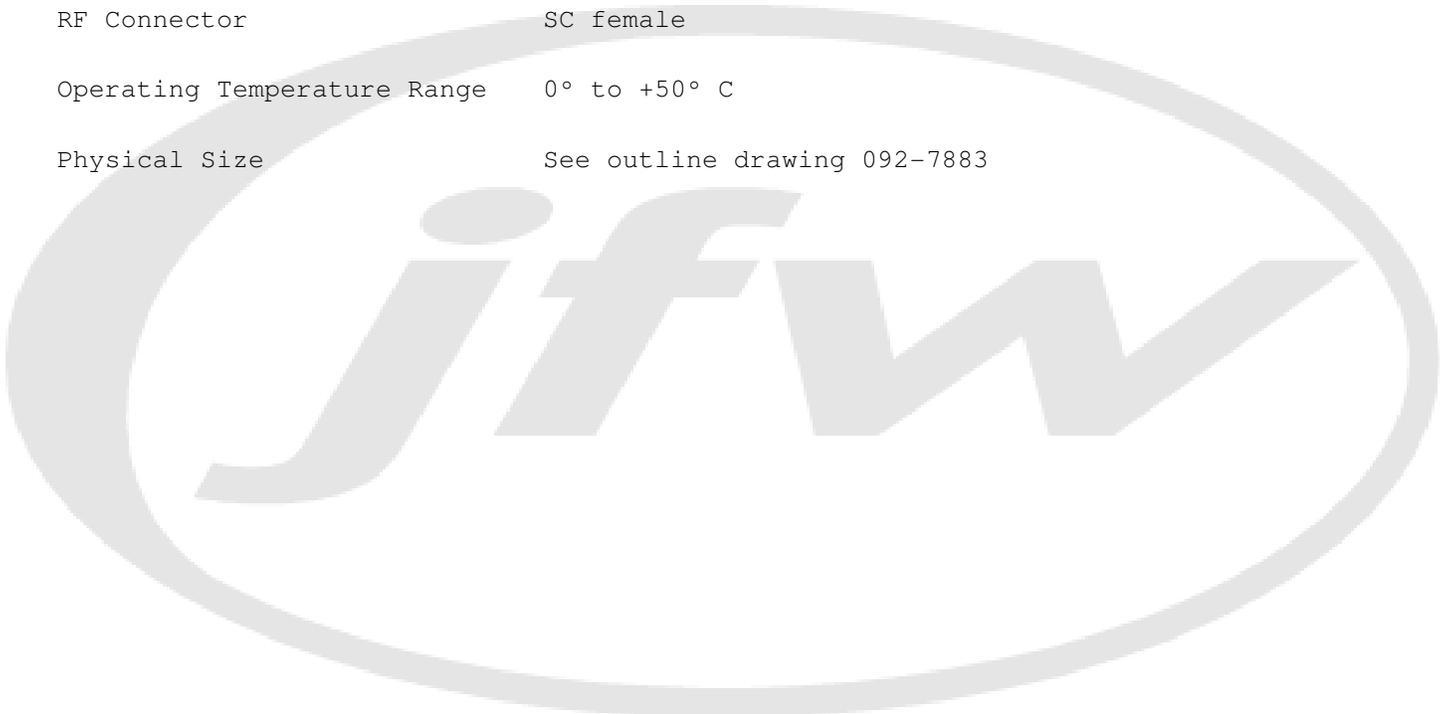
SC female

Operating Temperature Range

0° to +50° C

Physical Size

See outline drawing 092-7883



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/20/2013		TRS 11/20/2013				
24239	02/26/2015	A	TRS 02/16/2015				