

SPECIFICATION SHEET

JFW MODEL 50SA-276

SWITCH ASSEMBLY

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

Frequency Range	DC-18 GHz
Configuration	2 individually controlled 1P8T reflective normally open electro-mechanical RF switches
Enclosure Type	Benchtop
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-4 GHz 1.35:1 maximum 4-8 GHz 1.40:1 maximum 8-12.4 GHz 1.50:1 maximum 12.4-16 GHz 1.80:1 maximum 16-18 GHz
Insertion Loss	0.2 dB maximum DC-4 GHz 0.3 dB maximum 4-8 GHz 0.4 dB maximum 8-12.4 GHz 0.5 dB maximum 12.4-16 GHz 0.8 dB maximum 16-18 GHz
Isolation	70 dB minimum DC-4 GHz 65 dB minimum 4-8 GHz 60 dB minimum 8-12.4 GHz 60 dB minimum 12.4-16 GHz 55 dB minimum 16-18GHz
RF Input Power (cold switched)	100 Watts average DC-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
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)
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

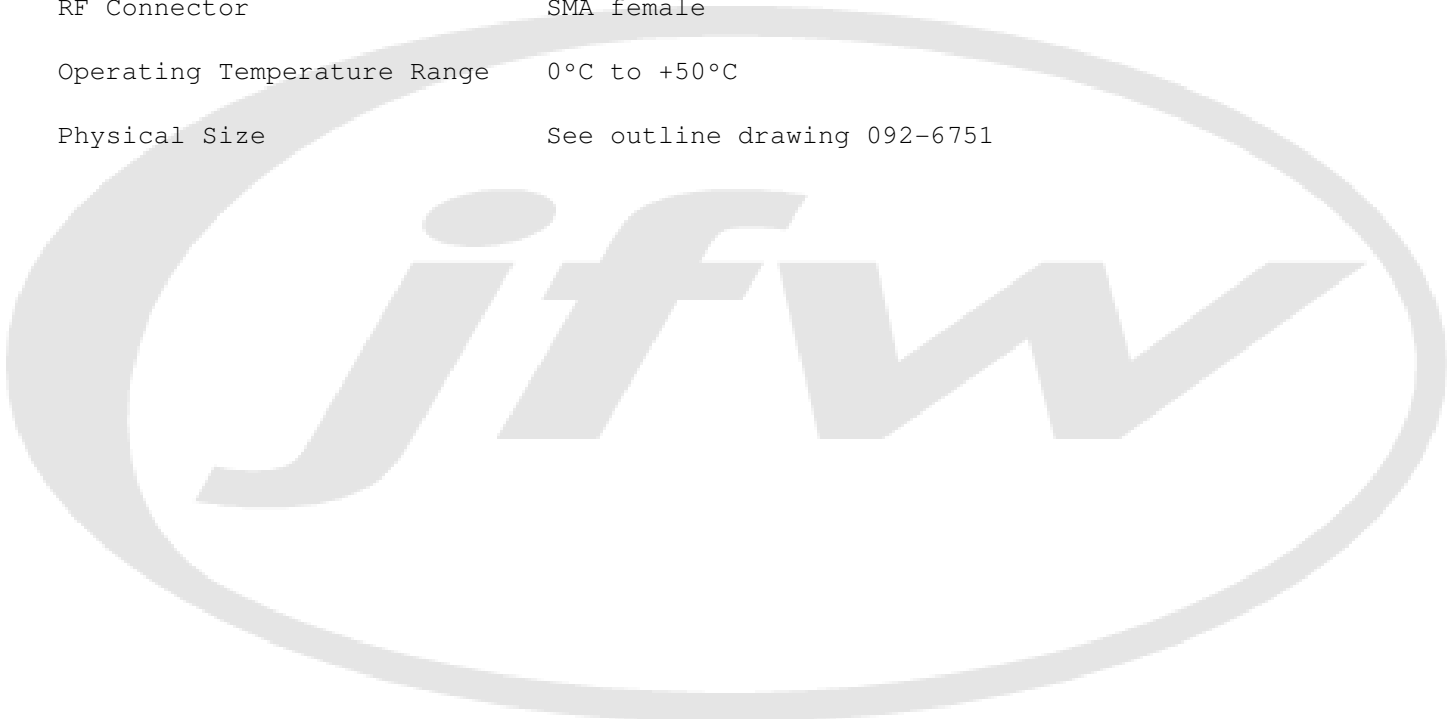
SMA female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-6751



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/19/2010		BAC 10/19/2010				
19993	04/19/2011	A	TRS 04/19/2011				
24239	12/09/2014	B	TRS 12/09/2014				