

**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	Three Individually controlled 1P8T Reflective Normally Open Electro-mechanical RF Switches
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	Keypad and LCD display
Remote Control	Ethernet (TCP/IP,10/100,4 users) and RS-232

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Remote Commands

Set Switch (SSx y)  
Read Switch (RSx)  
Identification (IDN)  
Change Baud Rate (CBz)

x = Switch Number (1-3)  
y = Port Number (0-8) (0 = ALL OFF)  
z = Baud Rate (9600,18200,38400)

AC Supply

100-240 VAC @ 47-63 Hz

RF Connector

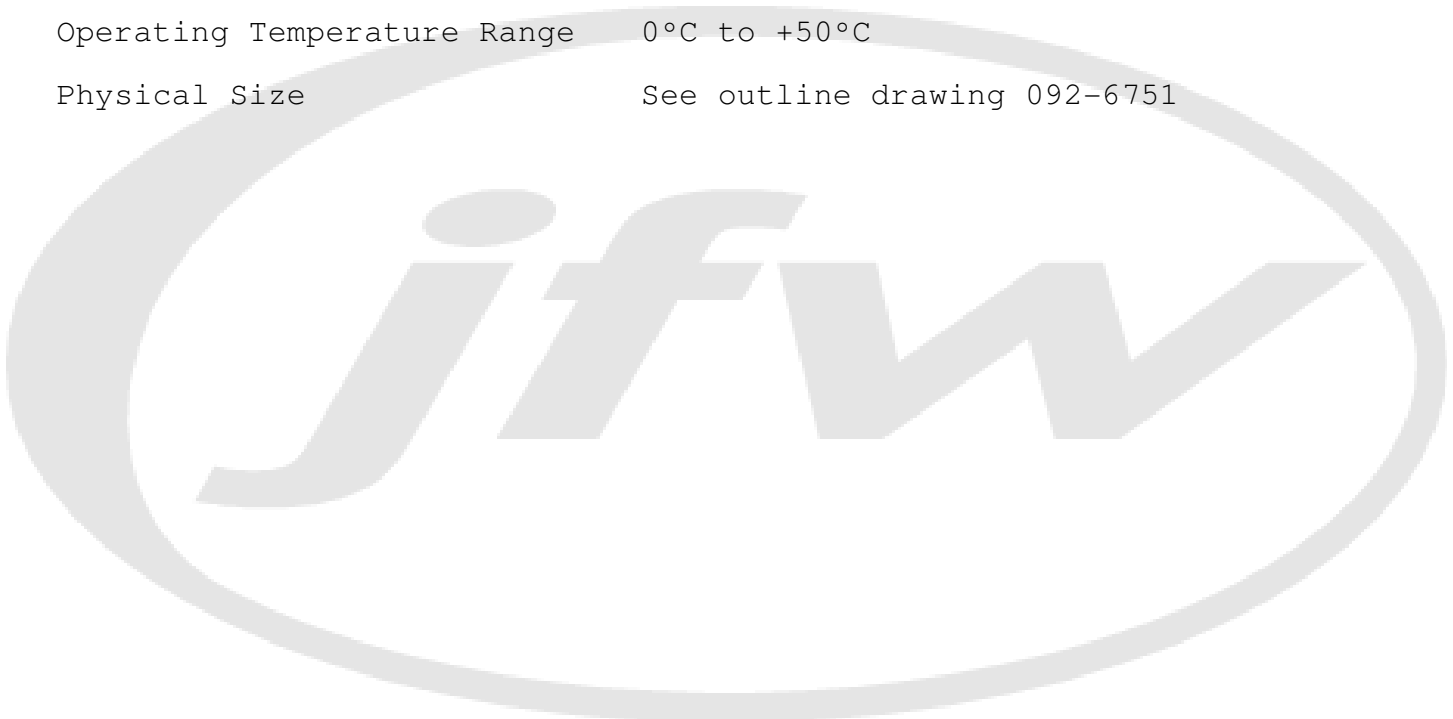
SMA female

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				