

SPECIFICATION SHEET

JFW MODEL 50SA-271

SWITCH ASSEMBLY

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

Frequency Range	DC-18 GHz
Configuration	Four Individually controlled 1P6T Electro-mechanical Self-Terminating RF Switches
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4 GHz 1.3:1 maximum 4-8 GHz 1.4:1 maximum 8-12.4 GHz 1.5:1 maximum 12.4-18 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 12.4-18 GHz
Isolation	80 dB minimum DC-4 GHz 75 dB minimum 4-8 GHz 65 dB minimum 8-12.4 GHz 60 dB minimum 12.4-18 GHz
RF Input Power (cold switched)	100 Watts average DC-4 GHz 90 Watts average 4-8 GHz 70 Watts average 8-12.4 GHz 60 Watts average 12.4-18 GHz (*Internal Terminations rated at 2 Watts average)
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 (1-4)
y = Port Number (0-6) (0 = ALL OFF)
z = Baud Rate (9600,18200,38400)

AC Supply

100-240 VAC @ 47-63 Hz

RF Connector

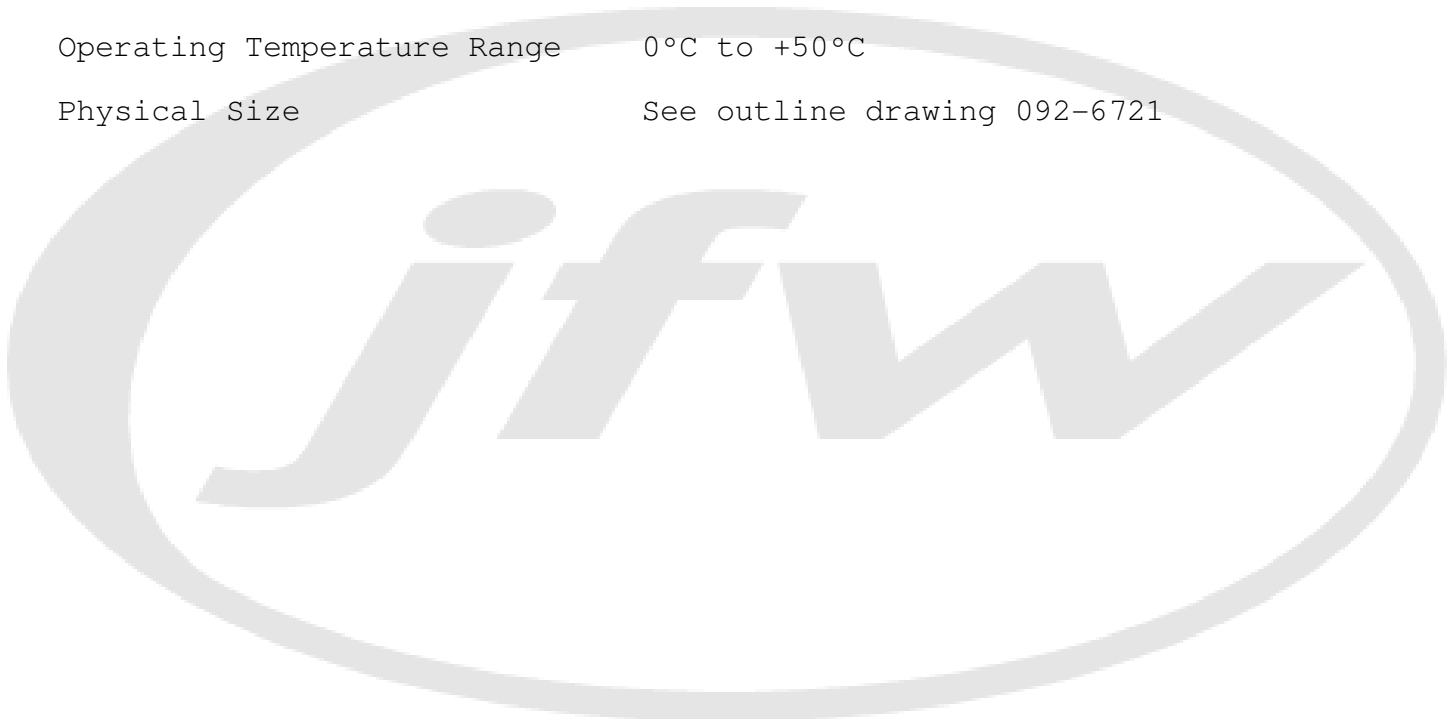
SMA female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-6721



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/23/2010		BAC 09/23/2010				