

SPECIFICATION SHEET**JFW MODEL 50SA-197****SWITCH ASSEMBLY**JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	DC-12.4 GHz
Configuration	Eight independent 1P3T Normally Open electromechanical switches (RF Specifications are for individual switches)
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-30MHz 1.25:1 maximum 30-4000MHz 1.35:1 maximum 4-8GHz 1.70:1 maximum 8-12.4GHz
Insertion Loss	0.10 dB maximum DC-30MHz 0.30 dB maximum 30-4000MHz 0.40 dB maximum 4-8GHz 0.70 dB maximum 8-12.4GHz
Isolation	70 dB minimum DC-4GHz 60 dB minimum 4-8GHz 55 dB minimum 8-12.4GHz
RF Input Power (Cold Switched)	2500 Watts average DC-30MHz 1000 Watts average 30-500MHz 500 Watts average 500-2000MHz 350 Watts average 2-4GHz 250 Watts average 4-8GHz 200 Watts average 8-12.4GHz
Switching Speed	20 milliseconds (after command is received and processed) (3 milliseconds typical processing time)
Lifetime	1 million operations minimum per switch
Control Connector	DE-9S (RS-232) RJ-45 (Ethernet) DE-9S (Ethernet config port)
Indicators	Via LCD Display on front panel
Manual Control	Via keypad on front panel
Remote Control	Ethernet (10/100) and RS-232

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Remote Commands	Set Switch (SSx y)
	Read Switch (RSx)
	Identification (IDN)
	Change Baud Rate (CBx)
AC Supply	100-240 VAC @ 47-63 Hz
RF Connector	N female
Operating Temperature Range	0° to +70° C
Physical Size	See outline drawing 092-5649



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/29/2007		BAC 11/29/2007	16179	08/07/2008	C	TRS 08/07/2008
15808	05/02/2008	A	TRS 05/02/2008				
15916	05/28/2008	B	TRS 05/28/2008				