

SPECIFICATION SHEET

JFW MODEL 50SA-213

SWITCH ASSEMBLY

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

Frequency Range	DC-18 GHz
Configuration	16 independent 1P2T failsafe reflective electromechanical RF switches
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-1GHz 1.15:1 maximum 1-4GHz 1.20:1 maximum 4-8GHz 1.30:1 maximum 8-12GHz 1.35:1 maximum 12-18GHz
Insertion Loss	0.10 dB maximum DC-1GHz 0.15 dB maximum 1-4GHz 0.20 dB maximum 4-8GHz 0.30 dB maximum 8-12GHz 0.35 dB maximum 12-18GHz
Isolation	85 dB minimum DC-1GHz 80 dB minimum 1-4GHz 70 dB minimum 4-8GHz 65 dB minimum 8-12GHz 60 dB minimum 12-18GHz
RF Input Power (Hot Switched)	1 Watt average
RF Input Power (Cold Switched)	200 Watts average DC-1GHz 100 Watts average 1-4GHz 90 Watts average 4-8GHz 70 Watts average 8-12GHz 60 Watts average 12-18GHz
Switching Speed	15 milliseconds (after command is received and processed) (3 milliseconds typical processing time)
Lifetime (each switch)	1 million operations minimum
Manual Control	Keypad and display
Remote Control	Ethernet (TCP/IP, 10/100, up to 4 users) RS-232 (9600, 19200, or 38400 Baud)

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Remote Commands Set Switch, Set Switch w/ Response, Set All Switches, Set Multiple Switches, Read Switch, Read All Switches, Pause, Store, Recall, Identification, Disconnect, Close, Change Baud Rate

AC Supply 100-240 VAC @ 47-63 Hz

RF Connector SMA female

Operating Temperature Range 0° to +70° C

Physical Size See outline drawing 092-5753



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/30/2008		TRS 04/30/2008	20067	05/05/2011	C	TRS 05/05/2011
15916	05/28/2008	A	TRS 05/28/2008				
16179	08/07/2008	B	TRS 08/07/2008				