SPECIFICATION SHEET

JFW MODEL 50SA-508

SOLID-STATE SWITCH ASSEMBLY

JFW Industries, Inc.
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Frequency Range	20-4300 MHz
Configuration	1P4T self-terminating solid-state RF switch
Indicators	LED's on front panel denote active port
Enclosure Type	19 inch rack mount @ 1RU high
Startup/Default States (configurable)	RF switch 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	1.6:1 maximum < 1.5:1 typical
Insertion Loss	4.5 dB maximum 1.6 dB typical @ 20 MHz 2.0 dB typical @ 2000 MHz 3.3 dB typical @ 4300 MHz
Isolation	50 dB minimum 95 dB typical @ 20 MHz 84 dB typical @ 2000 MHz 63 dB typical @ 4300 MHz
RF Input Power	+20 dBm 20-100 MHz +30 dBm 100-4300 MHz
Switching Speed	10 microseconds (after command is received and processed) (3 milliseconds typical processing time)
Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)
Remote Command Format	RF Switch Control Commands: Switch, Set Switch, Read Switch System Commands: Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

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AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-021
RF Connectors	SMA female or BNC female
Operating Temperature Range	0° to +50°C
Physical Size	See outline drawing 092-8320

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/19/2015		TRS 05/19/2015				

JFW FORM E-7-F REV F