

SPECIFICATION SHEET
JFW MODEL 50SA-133
SOLID-STATE SWITCH ASSEMBLY

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Frequency Range 50-2200 MHz

Configuration 1P8T self-terminating solid-state RF switch

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 1.5:1 maximum

Insertion Loss 4.5 dB maximum

Isolation 50 dB minimum

RF Input Power +20 dBm

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

Indicators LED's on front panel denote active port

AC Supply 100-240 VAC @ 47-63 Hz
 2 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-002, JFW #025-021

Control Connector RJ-45

RF Connectors SMA female or BNC female

Operating Temperature Range 0° to +65°C

Physical Size See outline drawing 092-4863 (BNC)
 092-5285 (SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/15/2005		BAC 07/15/2005	15916	05/28/2008	C	TRS 05/28/2008
13146	08/07/2006	A	BAC 08/07/2006	16179	08/07/2008	D	TRS 08/07/2008
13698	12/20/2006	B	BAC 12/20/2006	24759	12/03/2014	E	TRS 12/03/2014