

**SPECIFICATION SHEET**

**JFW MODEL 50SA-667**

**SWITCH ASSEMBLY**

JFW Industries, Inc.  
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Frequency Range 0.5-18 GHz

Configuration 1P4T self-terminating solid-state RF switch

Enclosure Type 19 inch rack mount @ 2RU 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 2.2:1 maximum  
1.6:1 typical 0.5-4 GHz  
1.8:1 typical 4-18 GHz

Insertion Loss 4.1 dB maximum  
2.6 dB typical 0.5-8 GHz  
3.6 dB typical 8-18 GHz

Isolation 65 dB minimum  
80 dB typical 0.5-8 GHz  
70 dB typical 8-18 GHz

RF Input Power +27 dBm

Switching Speed 100 nanoseconds  
(after command is received and processed)  
(3 milliseconds typical processing time)

Remote Control Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)  
RS-232 (up to 115200 Baud)

Remote Commands 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

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 092-9336

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