SWITCH ASSEMBLY

SPECIFICATION SHEET
JFW MODEL 50SA-388

Frequency Range DC-18 GHz

Configuration 1P6T normally open self-terminating electro-mechanical RF switch

Enclosure Type 19 inch rack mount @ 2RU high

Startup/Default States 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 1.2:1 maximum DC-4 GHz
1.3:1 maximum 4-8 GHz
1.4:1 maximum 8-12.4 GHz
1.5:1 maximum 12.4-18 GHz

Insertion Loss 0.2 dB maximum DC-4 GHz
0.3 dB maximum 4-8 GHz
0.4 dB maximum 8-12.4 GHz
0.5 dB maximum 12.4-18 GHz

Isolation 80 dB minimum DC-4 GHz
75 dB minimum 4-8 GHz
65 dB minimum 8-12.4 GHz
60 dB minimum 12.4-18 GHz

RF Input Power 100 Watts average DC-4 GHz
90 Watts average 4-8 GHz
70 Watts average 8-12.4 GHz
60 Watts average 12.4-18 GHz
(*Internal Terminations rated at 2 Watts average)

Switching Speed 15 milliseconds
(after command is received and processed)
3 milliseconds typical processing time

Manual Control 20-Button Keypad and LCD display
(IP Address configurable via keypad)
(Net mask configurable via keypad)
(Gateway configurable via keypad)
(Baud rate configurable via keypad)

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

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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
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-002, JFW #025-021

RF Connector
SMA female

Operating Temperature Range
0°C to +50°C

Physical Size
See outline drawing 092-7551