

**SPECIFICATION SHEET**

**JFW MODEL 50SA-273**

**SWITCH ASSEMBLY**

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

Frequency Range	DC-6 GHz
Configuration	6 individually controlled 1P6T normally open reflective electro-mechanical RF switches
Enclosure Type	19 inch rack mount @ 3RU high
Startup/Default States (configurable)	RF switches 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	1.25:1 maximum DC-4 GHz 1.35:1 maximum 4-6 GHz
Insertion Loss	0.3 dB maximum DC-4 GHz 0.4 dB maximum 4-6 GHz
Isolation	70 dB minimum DC-4 GHz 60 dB minimum 4-6 GHz
RF Input Power (Cold-switched)	175 Watts average DC-4 GHz 125 Watts average 4-6 GHz
Switching Speed	20 milliseconds typical (after command is received and processed) (5 millisecond 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)
Remote Command Format	RF Switch Control Commands: Switch, Set Switch, Read Switch, Set All Switches, Read All Switches  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  
0.2 Amps @ 120 VAC nominal  
0.1 Amps @ 240 VAC nominal  
2 Amp 5x20mm "Slo-Blo" AC fuse  
Littelfuse #215-002, JFW #025-021

RF Connectors N female (located on rear panel)

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-6740



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/04/2010		CLK 10/04/2010	23179	08/23/2013	C	TRS 08/23/2013
19246	10/15/2010	A	CLK 10/15/2010	24239	12/08/2014	D	TRS 12/08/2014
23028	07/16/2013	B	CLK 07/16/2013				