SPECI	FICAT	ION	SHEET			
JFW M	ODEL	50S <i>I</i>	A-271			
SWITCH ASSEMBLY						

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

Frequency Range	DC-18 GHz			
Configuration	Four Individually controlled 1P6T Electro-mechanical Self-Terminating RF Switches			
Enclosure Type	19 inch rack mount @ 2RU high			
Startup/Default States (configurable)	All 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	1.2:1 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 (cold switched)	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)			

--CONTINUED--

Page 1 of 2 JFW FORM E-7-F REV F

SPECIFICATION SHEET JFW MODEL 50SA-271 SWITCH ASSEMBLY

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

Remote Commands 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

AC Supply 100-240 VAC @ 47-63 Hz

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 092-6721

ECR/ECN	# DATE	REV	APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
	09/23/2010		BAC 09/23/2010		
24758	12/03/2014	A	TRS 12/03/2014		

Page 2 of 2 JFW FORM E-7-F REV F