

SPECIFICATION SHEET

JFW MODEL 50SA-476

SWITCH ASSEMBLY

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

Frequency Range	5-3000 MHz
Configuration	16 independent 1P2T self-terminating solid-state RF switches
Enclosure Type	19 inch rack mount @ 5RU high
Startup/Default States (configurable)	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Impedance	50 Ohms nominal
VSWR	1.6:1 maximum 1.4:1 typical
Insertion Loss	3.5 dB maximum 2.5 dB typical
Isolation	80 dB minimum 5-1000 MHz 70 dB minimum 1000-2000 MHz 60 dB minimum 2000-3000 MHz
RF Input Power	+10 dBm 5-20 MHz +20 dBm 20-100 MHz +30 dBm 100-3000 MHz
Switching Speed	10 microseconds (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--

SPECIFICATION SHEET

JFW MODEL 50SA-476

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

RF Connector

BNC, N, SMA or TNC female

Operating Temperature Range

0° to +70° C

Physical Size

See outline drawing 092-8108



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/01/2014		TRS 10/01/2014				
24239	06/05/2015	A	TRS 06/05/2015				
30393	05/18/2020	B	TRS 05/18/2020				