

## **SPECIFICATION SHEET**

**JFW MODEL 50PA-962**

### **PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	500-6000 MHz
Configuration	Quad 8 x 1 LC Handover Test System (see block diagram 092-8395 for attenuator addressing) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Attenuators to 95dB at startup (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.
VSWR	1.7:1 maximum < 1.5:1 typical (ATTEN ports) < 1.6:1 typical (J ports)
Insertion Loss	26.8 dB maximum 25.8 dB typical
Power Divider Isolation	20 dB minimum
Attenuation Accuracy	$\pm 0.50$ dB      1-3 dB $\pm 0.75$ dB      4-7 dB $\pm 1.00$ dB      8-11 dB $\pm 1.25$ dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
RF Input Power	+27 dBm average
Switching Speed	4 microseconds typical (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

#### Attenuator Control Commands:

Atten, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover, Block, Set Block, Read Block, Read All Blocks, Fade Block, Variable Block Handover

#### System Commands:

Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

### RF Connector

N female or SMA female

### AC Supply

100-240 VAC @ 47-63 Hz

### Temperature Range

0°C to +50°C

### Physical Size

See outline drawing 092-8394 (SMA)  
092-9147 (N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/12/2015		TRS 08/12/2015				
28159	10/06/2017	A	CLK 10/06/2017				