

SPECIFICATION SHEET

JFW MODEL 50PA-561

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	2-6 GHz								
Configuration	4 x 4 LC Handover System (block diagram listed on outline drawing) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)								
Enclosure Type	19 inch rack mount @ 2RU high								
Impedance	50 Ohms nominal								
Attenuation Range	0-63 dB in 1 dB steps								
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.								
VSWR	1.6:1 maximum								
Attenuation Accuracy	<table><tr><td>± 0.50 dB</td><td>1-3 dB</td></tr><tr><td>± 0.75 dB</td><td>4-7 dB</td></tr><tr><td>± 1.00 dB</td><td>8-11 dB</td></tr><tr><td>± 1.25 dB or 4%</td><td>12-63 dB</td></tr></table> (whichever is greater) (guaranteed monotonic)	± 0.50 dB	1-3 dB	± 0.75 dB	4-7 dB	± 1.00 dB	8-11 dB	± 1.25 dB or 4%	12-63 dB
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± 1.00 dB	8-11 dB								
± 1.25 dB or 4%	12-63 dB								
Insertion Loss	24 dB maximum								
Isolation	34 dB minimum (Input to Input) 18 dB minimum (Output to Output)								
RF Input Power	+20 dBm average +25 dBm (no damage)								
Switching Speed	1 microsecond 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

SMA female

AC Supply

100-240 VAC @ 47-63 Hz

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-6408

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/04/2015		TRS 06/04/2015				