SPECIFICATION SHEET

JFW MODEL 50PA-561

(configurable)

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 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 \pm 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 (whichever is greater)

(quaranteed monotonic)

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

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06/04/2015	TRS 06/04/2015		

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