## SPECIFICATION SHEET JFW MODEL 50PA-1205 PROGRAMMABLE ATTENUATOR ASSEMBLY

Frequency Range

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

Configuration	8 x 1 LC Handover Test System		
-	(see block diagram 092-9795)		
	(all ports are bi-directional)		
	(limited fan-out configuration)		
	(the ADMIN password is located on rear panel)		

30-6000 MHz

Enclosure Type 19 inch rack mount @ 2RU high

Impedance 50 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

VSWR 2.0:1 maximum < 1.7:1 typical

Path Loss Insertion Loss Paths (i.e. COM port to ATTEN port)

26 dB typical @ 30 MHz 32 dB typical @ 6000 MHz

Isolation Paths (i.e. ATTEN port to ATTEN port)

52 dB typical @ 30 MHz 64 dB typical @ 6000 MHz

Path Examples

COM to ATTEN 1 (insertion loss path)

COM to ATTEN 8 (insertion loss path)

ATTEN 1 to COM (insertion loss path)

ATTEN 1 to COM (insertion loss path)
ATTEN 8 to COM (insertion loss path)

ATTEN 1 to ATTEN 2 (isolation path) ATTEN 1 to ATTEN 3 (isolation path) ATTEN 1 to ATTEN 8 (isolation path) ATTEN 7 to ATTEN 8 (isolation path) ATTEN 8 to ATTEN 7 (isolation path)

Attenuation Accuracy  $\pm$  0.50 dB 1-3 dB  $\pm$  0.75 dB 4-7 dB

± 1.00 dB 8-11 dB ± 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)

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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)

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

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.

RF Connector N or SMA female

AC Supply 100-240 VAC @ 47-63 Hz

Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-9794

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