

SPECIFICATION SHEET

JFW MODEL 50PA-1248

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	1000-8000 MHz
Configuration	4 x 4 Handover Test System (see block diagram 092-5895 for attenuator addressing) (all ports are bi-directional) (full fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 3RU high
Impedance	50 Ohms nominal
Attenuation Range	0-70 dB in 1 dB steps
VSWR	1.9:1 maximum 1.6:1 typical
Insertion Loss	30 dB maximum 28 dB typical
Power Divider Isolation	21 dB minimum 25 dB typical
Attenuation Accuracy	± 0.50 dB 1-6 dB ± 0.60 dB 7-14 dB ± 0.90 dB 15-23 dB ± 1.25 dB or 5% 24-70 dB (whichever is greater)
RF Input Power	+30 dBm (IN ports) +24 dBm (OUT ports)
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

MIMO Testing Commands:

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)

Attenuators to maximum 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.

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 092-6219

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/19/2022		TRS 07/19/2022				