

SPECIFICATION SHEET**JFW MODEL 50PA-1245-XX****PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz
Attenuation Range	0-95 dB in 1 dB steps
Available Model Numbers	50PA-1245-16 SMA (16 attenuators) 50PA-1245-32 SMA (32 attenuators) 50PA-1245-48 SMA (48 attenuators) 50PA-1245-64 SMA (64 attenuators) 50PA-1245-80 SMA (80 attenuators) 50PA-1245-96 SMA (96 attenuators) 50PA-1245-112 SMA (112 attenuators) 50PA-1245-128 SMA (128 attenuators)
Configuration	Modular programable attenuator assembly (can control up to eight attenuator modules) (all RF connectors located on rear panel)
Enclosure Type	19 inch rack mount
Impedance	50 Ohms nominal
VSWR	2.0:1 maximum < 1.9:1 typical 200-700 MHz < 1.6:1 typical 700-6000 MHz
Attenuation Accuracy (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% 12-95 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	8.8 dB maximum 4.0 dB typical @ 200 MHz 4.5 dB typical @ 700 MHz 8.2 dB typical @ 6000 MHz
RF Input Power	+27 dBm average +33 dBm no damage
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

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)

RF Connector

SMA female

Operating Temperature Range

0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-9907-16 (50PA-1245-16 SMA)
092-9907-32 (50PA-1245-32 SMA)
092-9907-48 (50PA-1245-48 SMA)
092-9907-64 (50PA-1245-64 SMA)
092-9907-80 (50PA-1245-80 SMA)
092-9907-96 (50PA-1245-96 SMA)
092-9907-112 (50PA-1245-112 SMA)
092-9907-128 (50PA-1245-128 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/16/2022		CLK 06/16/2022				
32202	10/31/2022	A	TRS 10/31/2022				