

SPECIFICATION SHEET**JFW MODEL 50PA-1175****PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz
Configuration	36 individually controlled solid-state programmable attenuators
Impedance	50 Ohms nominal
RF Connector	N female or SMA female
Enclosure Type	19 inch rack mount 4RU high (SMA female) 9RU high (N female)
Attenuation Range	0-95 dB in 1 dB steps
VSWR	2.0:1 maximum < 1.9:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.7 dB 1-7 dB ± 1.0 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater)
Insertion Loss	8.8 dB maximum 3.8 dB typical @ 200 MHz 8.0 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 STARTUP command)
DHCP enabled (see NET command)
4 Ethernet users (see NET USERS command)
Prompts off (see PROMPT command)

AC Supply

100-240 VAC @ 47-63 Hz

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-7928 (50PA-1175 SMA)
092-10226 (50PA-1175 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/21/2020		TRS 05/21/2020				
33133	01/29/2024	A	TRS 01/29/2024				