

SPECIFICATION SHEET

JFW MODEL 50PA-1020-XX

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	DC-1000 MHz
Attenuation Range	0-127 dB in 1 dB steps
Configuration	Individually controlled electro-mechanical programmable attenuators. Number of attenuators can be selected from 1 to 8 attenuators.
Enclosure Type	19 inch rack mount 2RU high (for 1-8 attenuators)
Impedance	50 Ohms nominal
Startup/Default States (configurable)	Attenuators to 127dB 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.
VSWR	1.5:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.6 dB maximum (1-31 dB) ± 1.0 dB maximum (32-127 dB)
Insertion Loss	2 dB maximum
RF Input Power	2 Watts average @ +25°C Derate to 1.5 Watts average at +50°C
Switching Speed	6 milliseconds 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

BNC, SMA, TNC or N female

Operating Temperature Range

0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-8261 (N female, 1-8 attenuators)
092-8262 (SMA female, 1-8 attenuators)

Example Model Numbers

50PA-1020-01 SMA (1 attenuator)
50PA-1020-02 SMA (2 attenuators)
50PA-1020-03 SMA (3 attenuators)
50PA-1020-04 SMA (4 attenuators)
50PA-1020-05 SMA (5 attenuators)
50PA-1020-06 SMA (6 attenuators)
50PA-1020-07 SMA (7 attenuators)
50PA-1020-08 SMA (8 attenuators)
50PA-1020-01 N (1 attenuator)
50PA-1020-08 N (8 attenuators)

Future Expansion

If your testing needs change, you can have your 50PA-1020-XX upgraded to have additional attenuators. This model is designed to control up to a maximum of 8 attenuators.

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/16/2016		TRS 08/16/2016				
29850	09/30/2019	A	TRS 09/30/2019				