

SPECIFICATION SHEET

JFW MODEL 50PA-777

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	15-3000 MHz
Configuration	Four solid-state programmable attenuators
Enclosure Type	Benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-127 dB in 1 dB steps
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)
VSWR	1.75:1 maximum
Insertion Loss	8.5 dB maximum 5.5 dB typical @ 2000 MHz 7.5 dB typical @ 3000 MHz
Attenuation Accuracy	1, 2, 4, 8 dB \pm 0.4 dB 16, 32, 64 dB \pm 0.5 dB or 3% (whichever is greater)
RF Input Power	+15 dBm average +30 dBm (no damage)
Switching Speed	22 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

RF Connector

N or SMA female

AC Supply

100-240 VAC @ 47-63 Hz

Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-6314 (50PA-777 N)
092-6480 (50PA-777 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/06/2013		TRS 02/06/2013				
24239	07/03/2014	A	TRS 07/03/2014				
30053	12/09/2019	B	TRS 12/09/2019				