

**SPECIFICATION SHEET**

**JFW MODEL 50PA-771**

**BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	DC-3000 MHz
Configuration	Two Electromechanical Programmable Attenuators
Enclosure Type	Benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-85 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	1.6:1 maximum < 1.5:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.3 dB or 0.5% DC-500 MHz ± 0.4 dB or 1.0% 500-1000 MHz ± 0.5 dB or 1.0% 1000-2000 MHz ± 0.6 dB or 1.5% 2000-3000 MHz (whichever is greater)
Insertion Loss	2.75 dB nominal DC-1000 MHz 3.75 dB nominal 1000-2000 MHz 4.75 dB nominal 2000-3000 MHz
RF Input Power	1 Watt average
Switching Speed	6 milliseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse#215-002, JFW#025-021
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, Block, Set Block, Read Block, Read All Blocks

System Commands:

Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

RF Connector

SMA or N female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawings:  
092-5985 (50PA-771 SMA)  
092-5984 (50PA-771 N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/25/2013		CLK 01/25/2013				
22678	03/26/2013	A	CLK 03/26/2013				
24239	07/03/2014	B	TRS 07/03/2014				