

SPECIFICATION SHEET**JFW MODEL 50PA-506****BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz	
Configuration	Eight individually controlled solid-state programmable attenuators	
Enclosure Type	Benchtop	
Impedance	50 Ohms nominal	
Attenuation Range	0-63 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	1.8:1 maximum	200-800 MHz
	1.6:1 maximum	800-6000 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%	12-63 dB
	(whichever is greater)	
Insertion Loss	6.6 dB maximum	
	2.7 dB typical @ 200 MHz	
	3.0 dB typical @ 700 MHz	
	3.7 dB typical @ 2000 MHz	
	6.3 dB typical @ 6000 MHz	
RF Input Power	+27 dBm average	
	+33 dBm (no damage)	
Switching Speed	3 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

SMA female

Operating Temperature Range

0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz

Physical Size

See outline drawing 092-5988

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/06/2009		CLK 08/06/2009	18147	01/22/2010	C	CLK 01/22/2010
17674	09/11/2009	A	CLK 09/11/2009	24239	07/03/2014	D	TRS 07/03/2014
17976	12/16/2009	B	CLK 12/16/2009	28940	08/09/2018	E	TRS 08/09/2018