

SPECIFICATION SHEET

JFW MODEL 50PA-500

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	200-6000 MHz
Configuration	Two individually controlled solid-state programmable attenuators
Enclosure Type	Benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-63.5 dB in 0.5 dB steps
Startup/Default States (configurable)	Maximum attenuation at startup (see ATTEN command) Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS 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	1.9:1 maximum < 1.6:1 typical
Attenuation Accuracy	± 0.50 dB 0.5-7.5 dB ± 0.75 dB 8.0-15.5 dB ± 1.00 dB or 3% 16.0-63.5 dB (whichever is greater) (guaranteed monotonic)
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 or N female

AC Supply

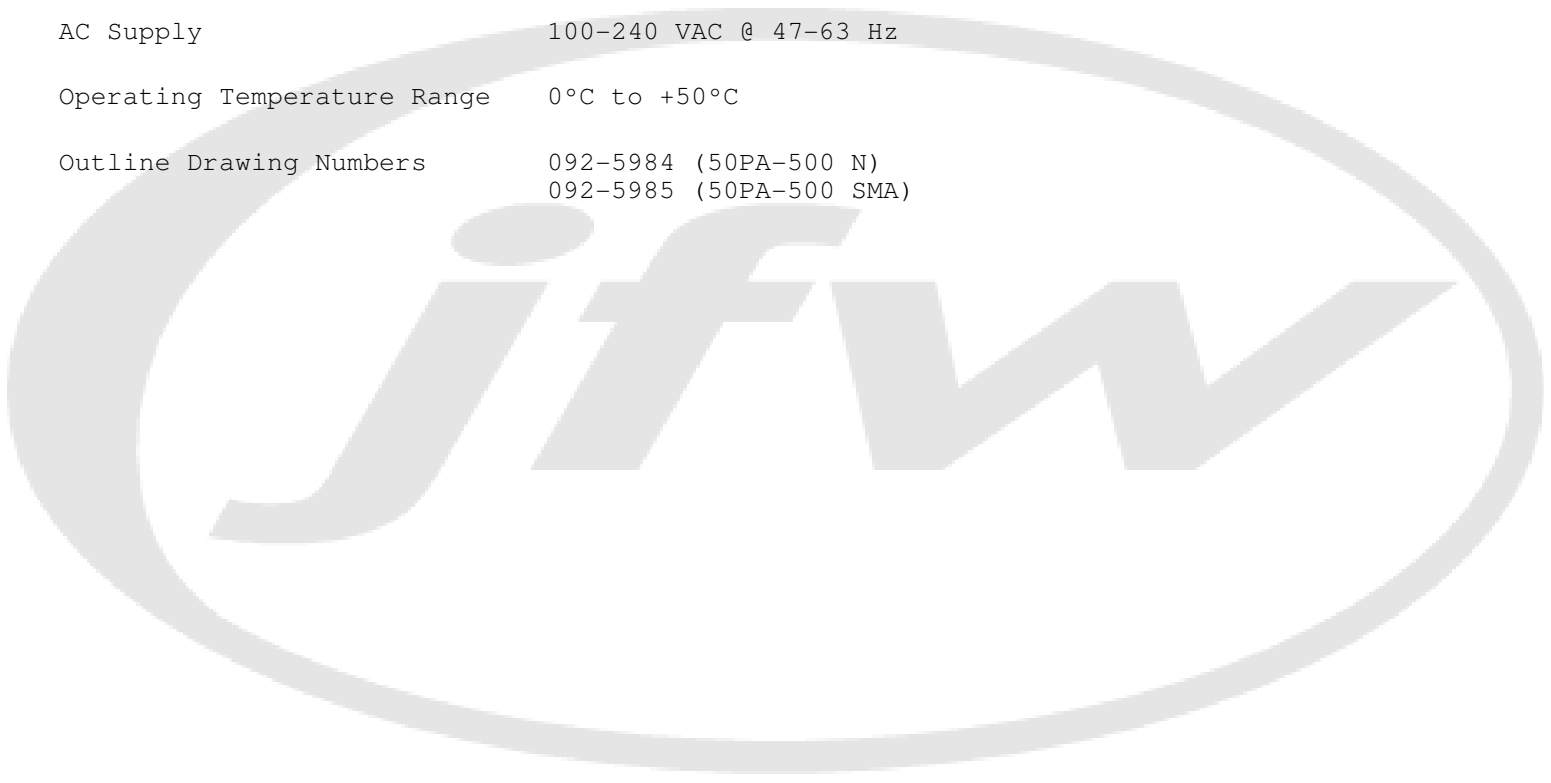
100-240 VAC @ 47-63 Hz

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-5984 (50PA-500 N)
092-5985 (50PA-500 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
17674	09/11/2009	A	CLK 09/11/2009	27079	09/16/2016	D	TRS 09/16/2016
17970	12/16/2009	B	CLK 12/16/2009	28940	08/09/2018	E	TRS 08/09/2018
18142	01/22/2010	C	CLK 01/22/2010	29022	09/19/2018	F	TRS 09/19/2018