

SPECIFICATION SHEET

JFW MODEL 50PA-547

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	700-3000 MHz
Configuration	Four individually controlled 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	1.6:1 maximum
Attenuation Accuracy	± 0.5 dB or 2% of programmed (whichever is greater)
Insertion Loss	6.5 dB maximum 3.0 dB typical @ 700 MHz 6.1 dB typical @ 3000 MHz
RF Input Power	+20 dBm average +24 dBm (1 dB compression)
Switching Speed	5 microseconds 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, 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

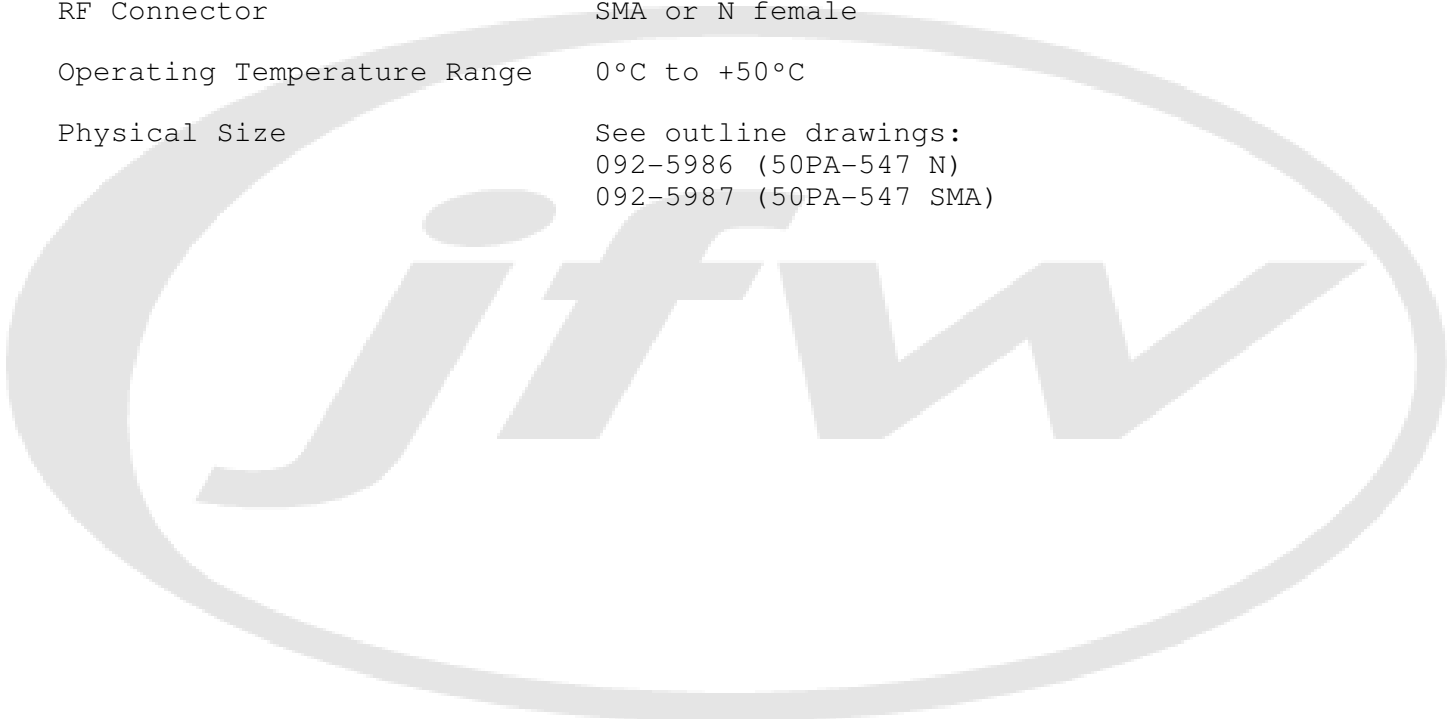
SMA or N female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawings:
092-5986 (50PA-547 N)
092-5987 (50PA-547 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/13/2009		TRS 10/14/2009				
22932	06/11/2013	A	TRS 06/11/2013				
24239	07/03/2014	B	TRS 07/03/2014				