

SPECIFICATION SHEET

JFW MODEL 75PA-125-XX

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	DC-2150 MHz
Configuration	Individually controlled solid-state programmable attenuators. Number of attenuators can be selected from 1 to 6 attenuators.
Available Model Numbers	75PA-125-01 F (1 attenuator with F female) 75PA-125-02 F (2 attenuators with F female) 75PA-125-03 F (3 attenuators with F female) 75PA-125-04 F (4 attenuators with F female) 75PA-125-05 F (5 attenuators with F female) 75PA-125-06 F (6 attenuators with F female)
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	75 Ohms nominal
VSWR	1.8:1 maximum 1.6:1 typical
Attenuation Range	0-63.5 dB in 0.5 dB steps
Attenuation Steps	0.5, 1, 2, 4, 8, 16 and 32 dB
Attenuation Accuracy	0.5 dB step: ± 0.1 dB typical / ± 0.25 dB maximum 1, 2, 4, 8, and 16 dB steps: ± 0.25 dB typical / ± 0.5 dB maximum 32 dB step: ± 0.7 dB typical / ± 1.0 dB maximum
Insertion Loss	2.8 dB maximum 2.1 dB typical @ 2150 MHz
RF Input Power	0.5 Watts average
Switching Speed	10 milliseconds 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, 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

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)

AC Supply

100-240 VAC @ 47-63 Hz

RF Connector

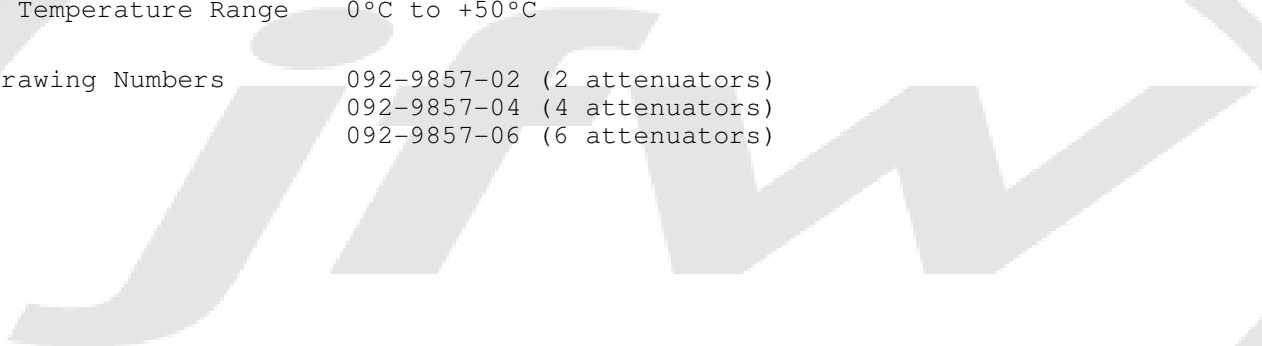
F female

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-9857-02 (2 attenuators)
092-9857-04 (4 attenuators)
092-9857-06 (6 attenuators)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/31/2022		TRS 03/31/2022				