

SPECIFICATION SHEET

JFW MODEL 50PA-1252

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	200-7125 MHz
Configuration	48 individually controlled solid-state programmable attenuators
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
RF Connector	SMA female
Attenuation Range	0-95 dB in 1 dB steps
VSWR	2.2:1 maximum 1.8:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB maximum (1-3 dB) ± 0.75 dB maximum (4-7 dB) ± 1.00 dB maximum (8-11 dB) ± 1.25 dB or 6% maximum (12-95 dB) ± 1.25 dB or 3% typical (12-95 dB) (whichever is greater)
Insertion Loss	10.7 dB maximum 3.6 dB typical @ 200 MHz 7.7 dB typical @ 6000 MHz 9.7 dB typical @ 7125 MHz
RF Input Power	+27 dBm average +33 dBm (no damage)
Switching Speed	4 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

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

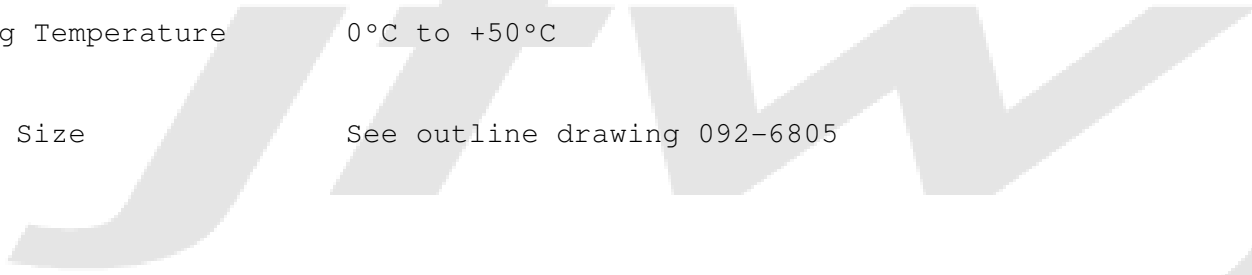
100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse#215-002, JFW#025-021

Operating Temperature
Range

0°C to +50°C

Physical Size

See outline drawing 092-6805



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/16/2022		CLK 08/16/2022				
32329	01/18/2023	A	CLK 01/18/2023				