SPECIFICATION SHEET

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

JFW MODEL 75PA-132

PROGRAMMABLE ATTENUATOR ASSEMBLY

Frequency Range	5-3000 MHz
Configuration	Two individually controlled solid-state programmable attenuators.
Enclosure Type	Benchtop
Impedance	75 Ohms nominal
RF Connector	F female
Attenuation Range	0-95 dB in 1 dB steps
VSWR	2.2:1 maximum < 1.6:1 typical 5-1218 MHz < 1.8:1 typical 1218-3000 MHz
Attenuation Accuracy (guaranteed monotonic)	5-2700 MHz: ± 0.3 dB 1-8 dB ± 0.6 dB 9-16 dB ± 0.8 or 3% 17-95 dB (whichever is greater) 2700-3000 MHz: ± 0.4 dB 1-8 dB ± 0.8 dB 9-16 dB ± 1.20 or 5% 17-95 dB (whichever is greater)
Insertion Loss	7.0 dB maximum 2.0 dB typical @ 5 MHz 5.5 dB typical @ 2700 MHz 6.2 dB typical @ 3000 MHz
RF Input Power	+23 dBm average
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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JFW FORM E-7-F REV F

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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 0.2 Amps @ 120 VAC nominal 0.1 Amps @ 240 VAC nominal 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse#215-002, JFW#025-021
Operating Temperature Range	0°C to +50°C
Outline Drawing Number	092-8245

ECR/ECN # DATE	REV APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
01/28/2025	CLK 01/28/2025		