

SPECIFICATION SHEET

JFW MODEL 75PA-103

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	5-1650 MHz
Configuration	Single individually controlled solid-state programmable attenuator
Enclosure Type	Benchtop
Impedance	75 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
Startup/Default States (configurable)	Attenuators to 63dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) Jog speed 5 (see JOG SPEED command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
VSWR	1.7:1 maximum 1.5:1 typical
Attenuation Accuracy	± 0.5 dB or 3% of programmed (whichever is greater) (guaranteed monotonic)
Insertion Loss	2.0 dB typical @ 5MHz 3.0 dB typical @ 1000MHz 4.0 dB typical @ 1650MHz 4.5 dB maximum 5-1650MHz
RF Input Power	+10 dBm
Switching Speed	10 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115,200 Baud)
Manual Control	Momentary Lever Actuator Switches with 7-Segment LED Displays (tap to step, hold to jog) (jog speed range is 0-10) (jog speed set to 0 will disable all levers)

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Remote Commands

Attenuator Control Commands:

Atten, Set Attenuator, Read Attenuator, Fade Attenuator

System Commands:

Help, Identification, Store, Recall, Pause, Net,
Serial, Close, Disconnect, MOTD, Date, Message,
Restrict, IDENT, Name, Show Users, Reboot, Uptime,
Prompt

RF Connector

F female

AC Supply

100-240 VAC @ 47-63 Hz

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-8559



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/22/2016		TRS 02/22/2016				