

SPECIFICATION SHEET**JFW MODEL 50BA-056-95****BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-7125 MHz
Configuration	One solid-state programmable attenuator
Enclosure Type	Mini-benchtop
Impedance	50 Ohms nominal
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)
DC Supply	+12 Vdc (100-240 VAC AC/DC transformer included)
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)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)
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) Jog speed 5 (see JOG SPEED command)

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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, Jog Speed

RF Connector

SMA female or N female

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-6615 (SMA female)
092-6812 (N female)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/18/2023		TRS 01/18/2023				