#### SPECIFICATION SHEET

JFW MODEL 50BA-002-95

# BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range

Configuration

Enclosure Type

Impedance

Attenuation Range

Startup/Default States (configurable)

VSWR

Attenuation Accuracy (guaranteed monotonic)

Insertion Loss

RF Input Power\*

Switching Speed

DC Supply

Manual Control

Remote Control

200-6000 MHz

Two individually controlled solid-state programmable attenuators

Mini-benchtop

50 Ohms nominal

0-95 dB in 1 dB steps

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)

2.0:1 maximum

± 0.50 dB 1-3 dB ± 0.75 dB 4-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater)

8.8 dB maximum 4.0 dB typical @ 200 MHz 4.5 dB typical @ 700 MHz 8.2 dB typical @ 6000 MHz

+27 dBm average +33 dBm (no damage)

4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)

+12 Vdc (100-240 VAC AC/DC transformer included)

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)

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, Jog Speed

RF Connector SMA female or N female

Operating Temperature Range 0°C to +50°C

Outline Drawing Numbers

092-6616 (SMA female) 092-8847 (N female)

\* Units shipped before 10/5/2017 (date code 1740) are only rated at +20dBm maximum. The JFW date code is a four digit code (YYWW) that follows the six digit serial number. For example date code 1908 is the 8th week of 2019.

ECR/ECN	# DATE	REV	APPR / DATE	ECR/ECN	# DATE	REV	APPR / DATE
20299	07/08/2011	В	CLK 07/08/2011	28159	10/05/2017	Ε	CLK 10/05/2017
24239	12/01/2014	С	TRS 12/01/2014	28495	02/09/2018	F	TRS 02/09/2018
27975	06/14/2017	D	TRS 06/14/2017	29857	10/02/2019	G	TRS 10/02/2019