## SPECIFICATION SHEET

### JFW MODEL 50BA-011-63

# BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range 200-6000 MHz

Configuration Four individually controlled solid-state

programmable attenuators

Enclosure Type Mini-benchtop

Impedance 50 Ohms nominal

Attenuation Range 0-63 dB in 1 dB steps

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)

VSWR 1.8:1 maximum 200-800 MHz

1.6:1 maximum 800-6000 MHz

Attenuation Accuracy  $\pm$  0.50 dB 1-3 dB (guaranteed monotonic)  $\pm$  0.75 dB 4-7 dB

(whichever is greater)

Insertion Loss 6.6 dB maximum

2.7 dB typical @ 200 MHz 3.0 dB typical @ 700 MHz 3.7 dB typical @ 2000 MHz

6.3 dB typical @ 6000 MHz

RF Input Power +27 dBm average

+33 dBm (no damage)

Switching Speed 3 microseconds typical

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

DC Supply +12 Vdc

(100-240 VAC AC/DC transformer included)

(0.05 Amps @ 120 VAC nominal) (0.03 Amps @ 240 VAC nominal)

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Manual Control Four 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)

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

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-8150

ECR/ECN	# DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/21/2013		TRS 06/21/2013	28940	08/09/2018	С	TRS 08/09/2018
23462	11/19/2013	A	CLK 11/19/2013				
24239	11/13/2014	В	TRS 11/13/2014				

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