

SPECIFICATION SHEET**JFW MODEL 50BA-011-95****BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

JFW Industries, Inc.
Phone: 317-887-1340
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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	0-95 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	2.0:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 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)
Insertion Loss	8.8 dB maximum 4.0 dB typical @ 200 MHz 4.5 dB typical @ 700 MHz 8.2 dB typical @ 6000 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) (0.05 Amps @ 120 VAC nominal) (0.03 Amps @ 240 VAC nominal)
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)

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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
	12/17/2012		CLK 12/17/2012	24239	11/04/2014	C	TRS 11/04/2014
22793	04/29/2013	A	CLK 04/29/2013	28159	10/05/2017	D	CLK 10/05/2017
23461	11/19/2013	B	CLK 11/19/2013	28495	02/09/2018	E	TRS 02/09/2018