

SPECIFICATION SHEET

JFW MODEL 50BA-010-127

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	700-3000 MHz
Configuration	Two individually controlled solid-state programmable attenuators
Enclosure Type	Mini-benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-127 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	1.6:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.5 dB or 2% (whichever is greater)
Insertion Loss	6.5 dB maximum 3.0 dB typical @ 700 MHz 6.1 dB typical @ 3000 MHz
RF Input Power	+20 dBm average +25 dBm (no damage)
Switching Speed	5 microseconds typical (after command is received and processed) 3 milliseconds typical processing time
DC Supply	+12 Vdc (100-240 VAC AC/DC transformer included) 0.10 Amps @ 120 VAC nominal 0.05 Amps @ 240 VAC nominal
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)

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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 or N female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing: 092-7519 (SMA)
092-7520 (N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/20/2012		CLK 11/20/2012				
22981	07/09/2013	A	CLK 07/09/2013				
24239	12/01/2014	B	TRS 12/01/2014				