

SPECIFICATION SHEET

JFW MODEL 50BA-001-63

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	200-6000 MHz
Configuration	One solid-state programmable attenuator in a mini benchtop enclosure
Impedance	50 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
VSWR	1.8:1 maximum 200-800 MHz 1.6:1 maximum 800-6000 MHz
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% 12-63 dB (whichever is greater)
Insertion Loss	6.0 dB maximum 5.0 dB typical
RF Input Power	+20 dBm average +25 dBm (no damage)
Switching Speed	1 microsecond 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 Switch w/ 7-Segment LED Display (tap to step, hold to jog)
Remote Control	RS-232 (9600, 19200, or 38400 Baud) Ethernet (TCP, 10/100, up to 4 users)

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Remote Commands

Attenuator Control Commands:
Set Attenuator, Set Attenuator with
Response, Read Attenuator, Fade
Attenuator, Store, Recall

System Commands:

Identification, Pause
-RS-232 Only: Change Baud
-Ethernet Only: Disconnect, Close,
Message, Clear

RF Connector

SMA female

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-6615



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/13/2010		CLK 07/13/2010				
18975	08/06/2010	A	CLK 08/06/2010				