

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 |
| 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 (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 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) |

--CONTINUED--

SPECIFICATION SHEET

JFW MODEL 50BA-001-63

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Remote Commands

Attenuator Control Commands:
Atten, Set Attenuator, Read Attenuator, Fade
Attenuator

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 092-6615 (SMA)
092-6812 (N)



| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| | 07/13/2010 | | CLK 07/13/2010 | 24239 | 12/01/2014 | C | TRS 12/01/2014 |
| 18975 | 08/06/2010 | A | CLK 08/06/2010 | | | | |
| 19481 | 12/09/2010 | B | CLK 12/09/2010 | | | | |