

**SPECIFICATION SHEET**

**JFW MODEL 75BA-004-95**

**BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	5-2150 MHz
Configuration	Two solid-state programmable attenuators
Enclosure Type	Mini-benchtop
Impedance	75 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 < 1.6:1 typical 5-1218 MHz < 1.8:1 typical 1218-2150 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.25 dB            1-8 dB ± 0.50 dB            9-16 dB ± 0.75 or 3%        17-95 dB (whichever is greater)
Insertion Loss	6 dB maximum 2.0 dB typical @ 5 MHz 4.3 dB typical @ 1218 MHz 5.0 dB typical @ 2150 MHz
RF Input Power	+23 dBm (5-100 MHz) +27 dBm (100-2150 MHz)
Switching Speed	2 microseconds typical (after command received and processed) (3 milliseconds typical processing time)
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)

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Remote Commands

Attenuator Control Commands:

Atten, Set Attenuator, Read Attenuator, 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

DC Supply

+12 Vdc  
(100-240 VAC AC/DC transformer included)

RF Connector

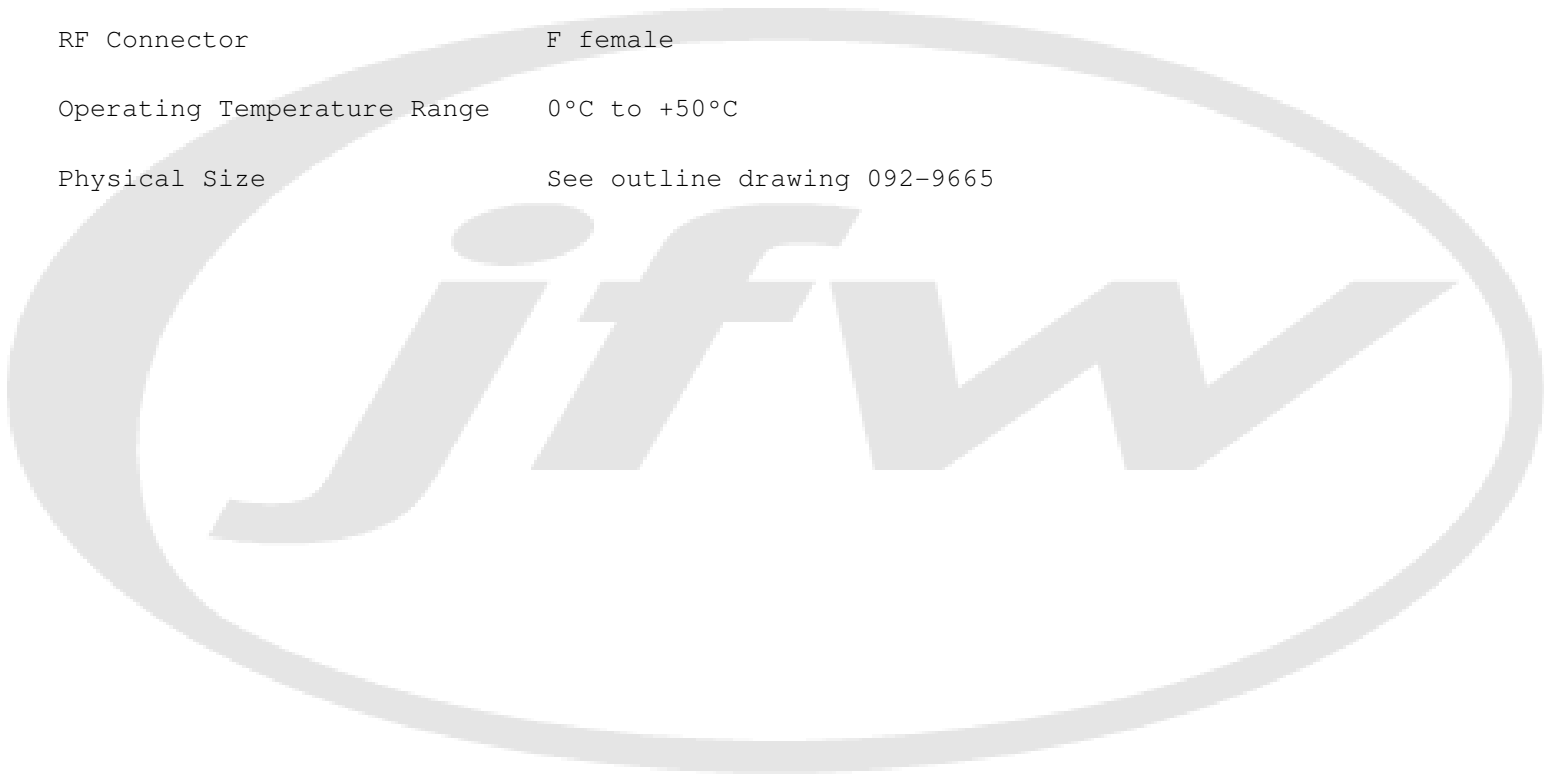
F female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-9665



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/15/2020		TRS 12/15/2020				