

SPECIFICATION SHEET

JFW MODEL 50BA-034-127

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	30-3000 MHz
Configuration	Two 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	2.0:1 maximum 30-500 MHz 1.6:1 maximum 500-3000 MHz
Attenuation Accuracy	± 0.5 dB 1-7 dB ± 1.0 dB 8-11 dB ± 1.25 dB or 3% 12-127 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	7.2 dB maximum 3.9 dB typical @ 30 MHz 4.8 dB typical @ 500 MHz 6.5 dB typical @ 3000 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)
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-034-127

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, 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

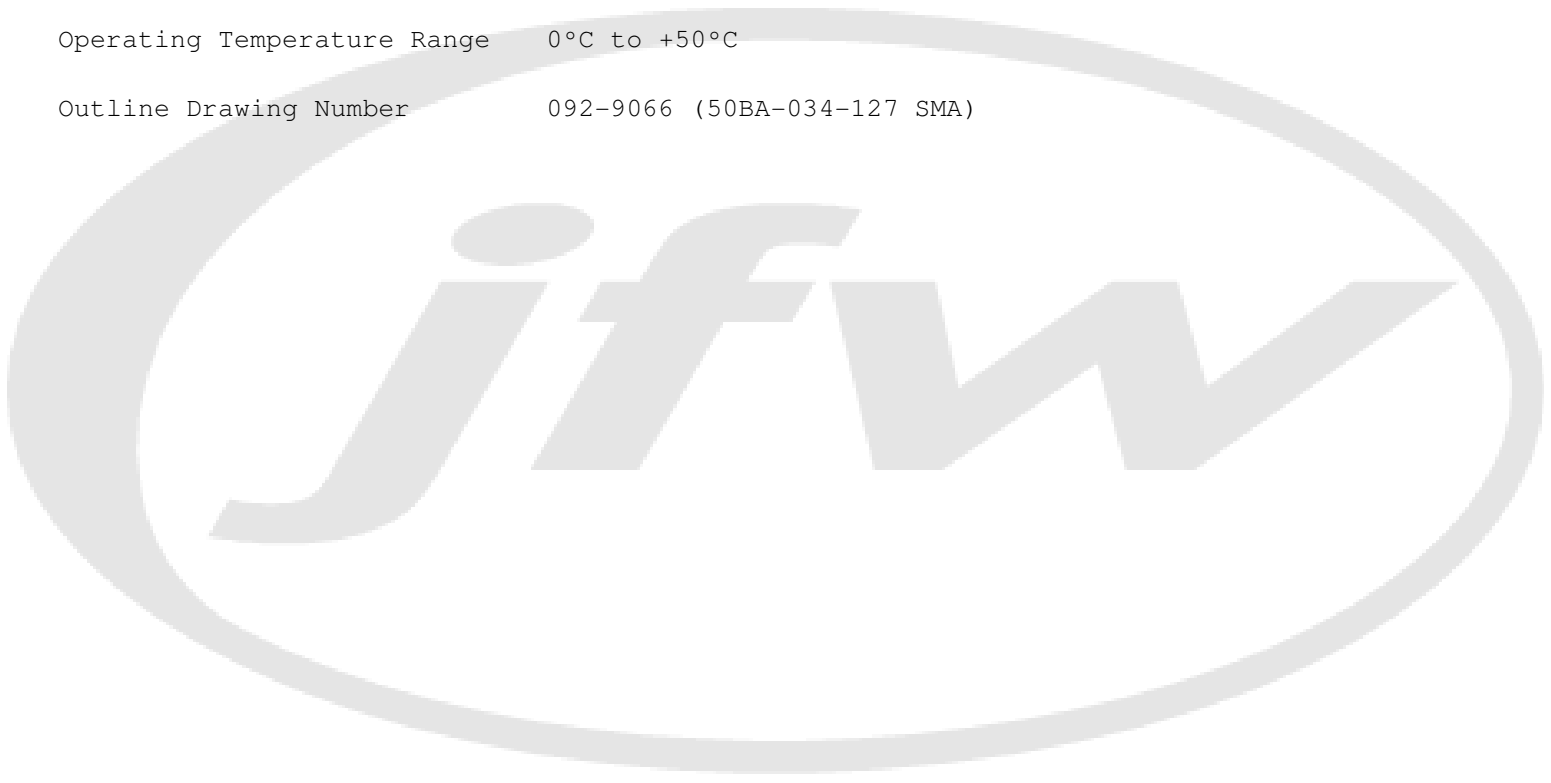
SMA female

Operating Temperature Range

0°C to +50°C

Outline Drawing Number

092-9066 (50BA-034-127 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/11/2018		TRS 04/11/2018				
32074	08/17/2022	A	TRS 08/17/2022				