

SPECIFICATION SHEET

JFW MODEL 50BA-031-31

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

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Frequency Range	0.1-18 GHz
Configuration	Two individually controlled solid-state programmable attenuators
Enclosure Type	Mini-benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-31 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 < 1.7:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-8 dB ± 1.00 dB or 5% 9-31 dB (whichever is greater)
Insertion Loss	7.0 dB maximum 2.0 dB typical @ 0.1 GHz 3.2 dB typical @ 3 GHz 4.0 dB typical @ 6 GHz 5.5 dB typical @ 12.4 GHz 6.6 dB typical @ 18 GHz
RF Input Power	+20 dBm average +25 dBm (no damage) Warning: DC coupled, DC voltage must not exceed 0 Volts on RF connectors
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)

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