

SPECIFICATION SHEET

JFW MODEL 50P-2151

**4 CHANNEL USB CONTROLLED SOLID STATE
PROGRAMMABLE ATTENUATOR**

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Frequency Range 200-7125 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

Attenuation Steps 1, 2, 4, 8, 16, 32 and 32 dB

VSWR <1.8:1 typical / 2.0:1 maximum

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB maximum (1-3 dB)
± 0.75 dB maximum (4-7 dB)
± 1.00 dB maximum (8-11 dB)
± 1.25 or 5% typical (12-95 dB)
± 1.25 or 7% maximum (12-95 dB)
(whichever is greater)

Insertion Loss 3.1 dB typical @ 200 MHz
7.1 dB typical @ 6000 MHz
8.9 dB typical @ 7125 MHz
9.8 dB maximum 200-7125 MHz

Isolation (channel-to-channel) > 120dB typical

RF Input Power +27 dBm (operating)
+33 dBm (no damage)

Switching Speed 4 microseconds maximum
(after command is received and processed)
(1 millisecond typical processing time)

DC Supply +5 Vdc @ 400mA typical
(Powered via USB)

Control USB control (CDC-ACM Serial Device)

Test Software (Microsoft .NET 4.0+)
(Windows Vista or greater) The included JFW software allows control of
multiple USB devices.

Unit is also compatible with Python, C#, PuTTY (any
development tool with COM Port interfacing).

DC Connector USB-C
2 meter USB A Male to USB-C Cable Included

RF Connector SMA female

Operating Temperature Range -40°C to +85°C

Physical Size See outline drawings 092-9250

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/02/2025		BAC 07/02/2025				
34482	12/18/2025	A	BAC 12/18/2025				