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D4ATT2: Multi-Channel Programable Attenuator
Solid-state | 75Ω | DC to 2500MHz

OVERVIEW

The D4ATT2 delivers two-channel programmable attenuators designed for a broad range of 75Ω signal level control applications, including DOCSIS cable network multi-port and multi-device testing.

The system has two independently controlled attenuator channels, providing attenuation ranges of either 0 to 62 dB with 0.5dB step.

Control is facilitated via USB interfaces, supported by comprehensive software that includes an intuitive Windows GUI application and a full API with programming documentation.

2 Channels – 62dB Attenuation





FEATURES

- **Port Options:** 2 input/output ports
- **Solid-State Design:** High reliability
- **Attenuation:** 62 dB in 0.5 dB steps
- **High Accuracy:** Typically 0.1 dB
- **Low Insertion Loss:** 3.7 dB
- **High 3rd order Intercept point (IP3):** Min. 55dBm; Max. 69 dBm
- **Excellent Return Loss:** Typically 18 dB
- **Control:** USB interfaces

ELECTRICAL SPECIFICATIONS

Parameter	Conditions	Typ	Units
Insertion Loss (all attenuators set to 0)	62dB Attenuator	3.7	dB
Accuracy per 0.5dB Step	—	0.1	dB
Switching Speed	—	10	us
Return Loss	—	18	dB
Input IP3	Min Att	55	dBm
	Max Att	69	dBm
Input IP2	DC	70	dBm
	2500MHz	100	dBm
Input Power @ 0.1dB Compression (at Min. and Max Attenuation)	—	+30	dBm
VSWR	—	1.4:1	—
Input Maximum Power	—	24	dBm

For questions, feedback, customization requests, or to explore additional DOCSIS 4.0 test features, please visit www.ePIDoX.solutions.
Rev. 1 (9/16/2025)