



TAD6

±5V → ±1.2V differential attenuator and impedance converter



Figure 1: Top view

TAD6 is a differential attenuator that allows capturing two ±5V single-ended 50Ω signals, e.g. from structure-born noise sensors, with a FF fast Fourier transform option module. It can also be connected to an 1Vpp encoder input. The 5V power supply from the encoder or FF input is used to power the circuit.

The attenuator integrates low-pass filtering. The output impedance is 120Ω Ohm.



Figure 2: Bottom view, signal assignment

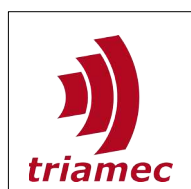
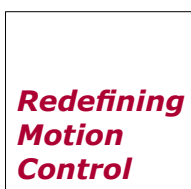
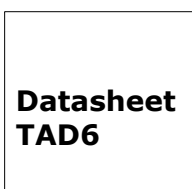


Figure 3: TAD6 mounted on Axis 0 of a TSD80

Specifications

	TAD6
Input Gain per Channel	0.24
Channels	2
Max Input per Channel	±5 V
Input Signal Connector	SMA (center "Signal")
Drive Connector	D-Sub HD15 connector.
Operating Condition	0°C to +45°C (non condensing)
Power Input	5 VDC
Low-pass	1.5MHz
Dimensions	47 x 31 x 15 mm ³

Subject to change without notice.



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