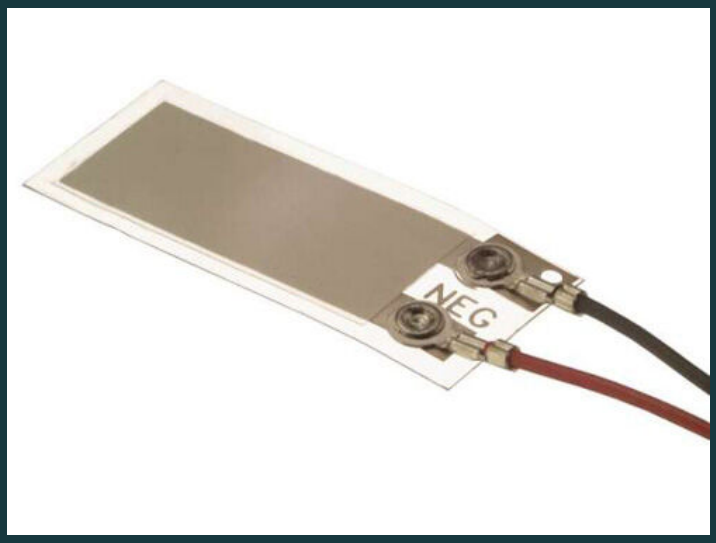
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INDUSTRIAL PRODUCT DATASHEET

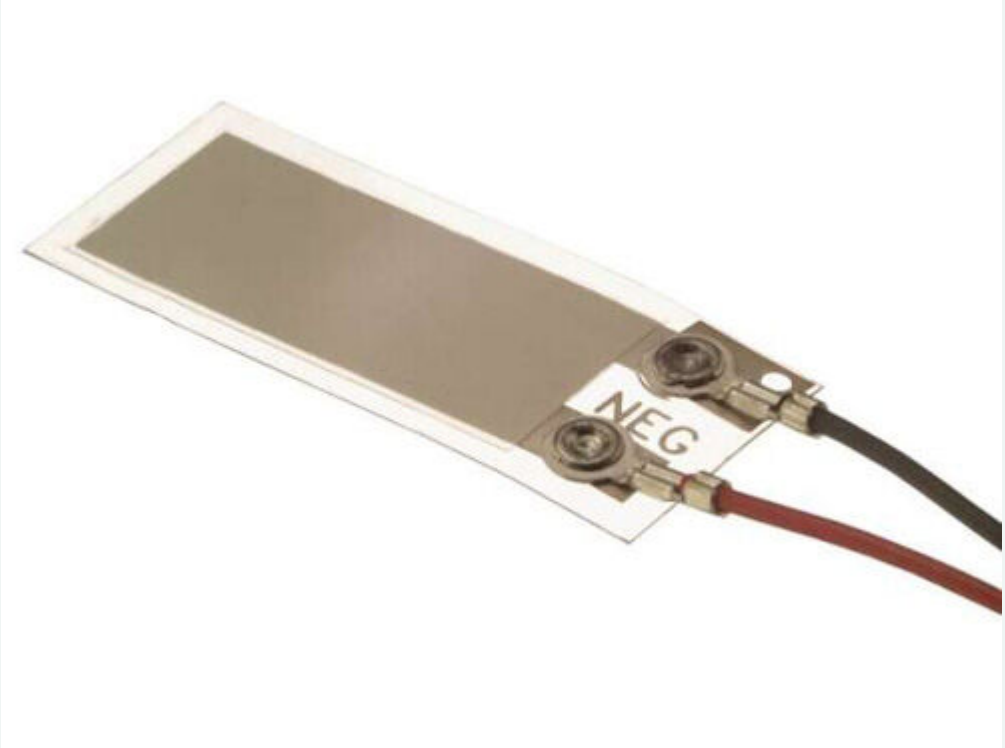
Piezo Sensor - LDT1-028K Lead Attachments

Multi-purpose piezoelectric sensor with laminated piezo film and dual wire leads for detecting vibration, impact, and contact force, with output from 10 mV to 100 V.

SKU	UPDATED	PRICE
SEN139A3M	2024-08-09 02:14:04	$7.50(Excl. VAT)



Overview



The LDT1-028K is a multi-purpose piezoelectric sensor for detecting vibration, impact, and direct contact force. The piezo film element is laminated to Mylar with dual wire leads, providing an electrical output of 10 mV to 100 V depending on force and circuit impedance.

Key Features

The LDT1-028K is a multi-purpose, piezoelectric sensor for detecting physical phenomena such as vibration or impact. The piezo film element is laminate to a sheet of polyester (Mylar), and produces a useable electrical signal output when forces are applied to the sensing area. The dual wire lead attached to the sensor allows a circuit or monitoring device to process the signal.

Applications:

Sensing direct contact force, Recording time of an event, Counting number of impact events, Measuring impact-related events, Sensing vibration using cantilevered beam, Wakeup switch, Motion detection

Features:

- Piezoelectric polymer
- Multi-purpose
- Vibration sensing
- Impact sensing
- Laminated
- Dual wire lead attached
- Minimum impedance: 1 MΩ
- Preferred impedance: 10 MΩ and higher
- Output voltage: 10mV-100V depending on force and circuit impedance
- Storage temperature: -40°C to +70°C [-40°F to 160°F]
- Operating temperature: 0°C to +70°C [32°F to 160°F]

Resource Links

- https://www.seeedstudio.com/Piezo-Sensor-LDT1-028K-Lead-Attachments-p-687.html
- LDT1-028K PIEZO SENSOR Datasheet

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