

A/24/TE-1 Miniature Piezoelectric Accelerometer Integral ceramic isolating base

5pC/g nom.

2gm

200°C Max. temp



The A/24/TE-1 is a miniature adhesive mount PE charge output accelerometer, offering a small size and low mass of just 2grams. Using DJB's unique Konic shear® ceramic design offering superior cross axis control and performance. The integral ceramic base provides complete electrical isolation from the surface of the test object.

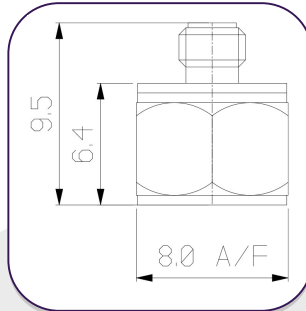
The low mass of the A/24 range minimizes mass loading effects in a wide range of vibration responses and structural testing applications.

Top entry miniature microdot KP connector

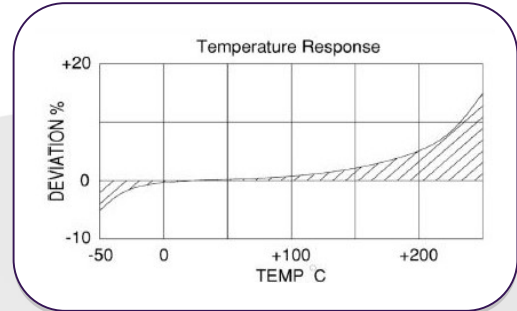
Options:

- A/24/E - Side Entry, -55/+250°C
- A/24/E-1 – isolating base, -55/+200°C
- A/24/TE – Top entry, -55/+250°C
- A/24/TE-1 – Isolating base, -55/+200°C
- A/24/TS – Top entry stud, -55/+250°C

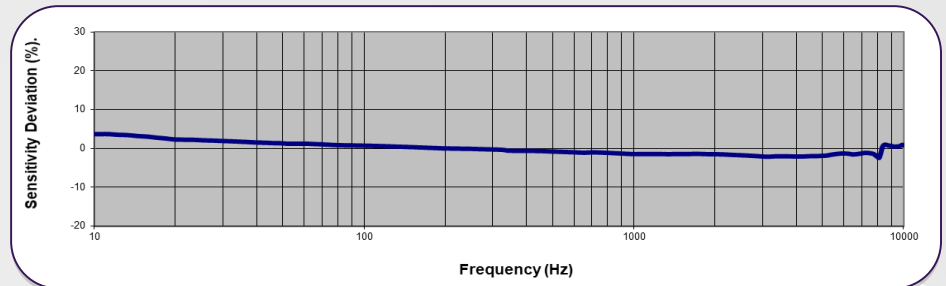
A/24/TE-1



Temperature Response



Typical Frequency Response



| | Metric | Imperial |
|--|---|------------------------------|
| Charge sensitivity nom. | 0.50pC/(m/s ²) | 5pC/g |
| Resonant Frequency | ≥55 kHz | |
| Typical Frequency Response | ±5% ±10% | 1Hz – 12kHz 0.7Hz – 13kHz |
| Capacitance nom. | 750pF | |
| Cross Axis error | 5% max | |
| Temperature Range | -55/200°C | -67/392°F |
| Charge sensitivity deviation (20°C/68°F) | -5% @ -55°C +10% @ 200°C | -5% @ -67°F +10% @ 392°F |
| Base strain sensitivity | 0.001g/μ strain | |
| Maximum shock g level, rise time μs | 98100m/s ² , 30 | 10000g, 30 |
| Pyro-electric output | 0.15g/°C | |
| Pyro-electric corner frequency | 0.005Hz | |
| Case Material | Titanium Grade 2 | |
| Mounting | Adhesive with integral ceramic isolating base | |
| Weight | 2gm | 0.07oz |
| Case Seal | Welded | |
| Size | 8 (A/F) x 9.5mm | 0.31 (A/F) x 0.37in |
| Connector | M3.5 KP connector (3.5mm) | |

Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes.

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