

A/24/TE-1

Mono-axial charge accelerometer

5pC/g, Side Entry M3.5 Connector, Ceramic Isolated Adhesive Mount



KEY FEATURES

- ✓ 0.7Hz to 13kHz frequency range
- ✓ 5pC/g nominal sensitivity
- ✓ Titanium case
- ✓ Ceramic isolated mount
- ✓ 2 grams

DEVICE OPTIONS

- ✓ Extended low & high frequency calibration
- ✓ Alternative/additional stud options

A/24/E Side Entry M3.5 connector, adhesive mount

A/24/TE Top Entry M3.5 connector, adhesive mount

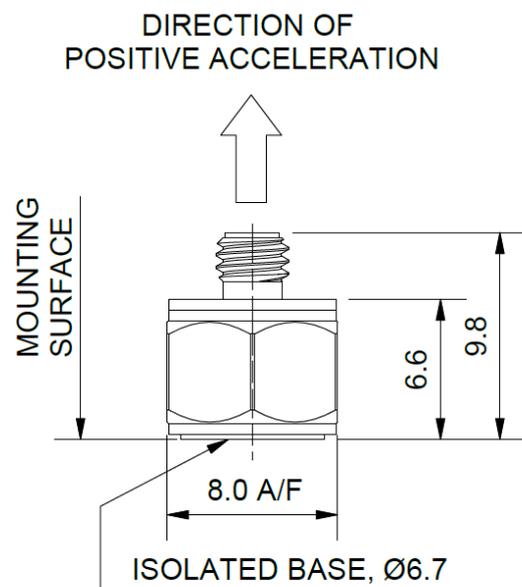
A/24/E-1 Side Entry M3.5 connector, ceramic isolated adhesive mount

A/24/TE-1 Top Entry M3.5 connector, ceramic isolated adhesive mount

TYPICAL CABLE OPTIONS

- ✓ KP/BC1/T10/30 - M3.5 to BNC, low noise co-axial, 3 meters
- ✓ KP/M1/T10/30 - M3.5 to Microdot Plug, low noise co-axial, 3 meters
- ✓ KP/MS1/T10/30 - M3.5 to Microdot Socket, low noise co-axial, 3 meters
- ✓ Other options and lengths available

A/23/TE-1 ACCELEROMETER DIMENSIONS



All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance

A/24/TE-1

Charge Sensitivity	5pC/g nominal
Frequency Response ($\pm 5\%$)	1Hz - 12kHz
Frequency Response ($\pm 10\%$)	0.7Hz - 13kHz
Resonant Frequency	≥ 55 kHz
Pyro-Electric Output	0.15g/ $^{\circ}$ C
Pyro-Electric Corner Frequency	0.005Hz
Base Strain Sensitivity	≤ 0.001 g/ $\mu\epsilon$
Cross-Axis Error	$\leq 5\%$

Electrical

Capacitance ($\pm 10\%$)	750pF
Connector	Top Entry, M3.5

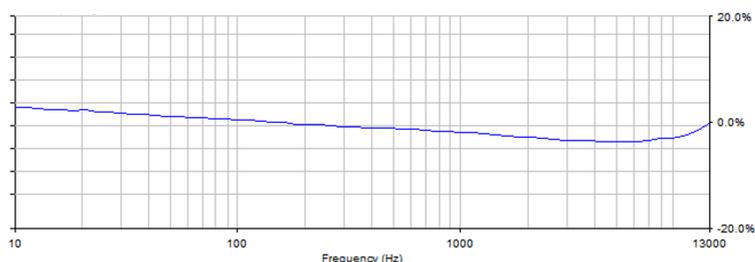
Physical

Case Material	Titanium
Mounting	Adhesive, ceramic isolated base
Recommened Mounting Torque	N/A
Weight	2 grams
Size (mm)	8mm (A/F) x 9.8mm
(Inches)	0.31" (A/F) x 0.39"

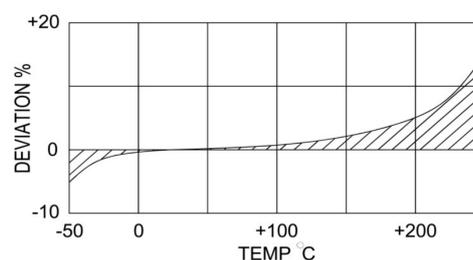
Environmental

Temperature Range ($^{\circ}$C)	-55° C to $+200^{\circ}$ C
($^{\circ}$F)	-67° F to $+392^{\circ}$ F
Maximum Shock	10000g
Total Mass Loss (TML)	$< 0.1\%$

TYPICAL FREQUENCY RESPONSE



TYPICAL THERMAL RESPONSE



DJB INSTRUMENTS UK LIMITED

e: sales@djbstruments.com

t: +44 (0) 1638 712288

w: djbstruments.com



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.