

A/23/EB

Mono-axial charge accelerometer

8pC/g, Side Entry 10-32 Microdot Connector, 5-40 UNC Tapped Base



KEY FEATURES

- ✓ 0.7Hz to 11kHz frequency range
- ✓ 8pC/g nominal sensitivity
- ✓ Titanium case
- ✓ 3.6 grams

DEVICE/FAMILY OPTIONS

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

A/23/E Side Entry 10-32 Microdot, adhesive mount

A/23/TE Top Entry 10-32 Microdot, adhesive mount

A/23/EB Side Entry 10-32 Microdot, 5-40 UNC tapped base

A/23/TB Top Entry 10-32 Microdot, 5-40 UNC tapped base

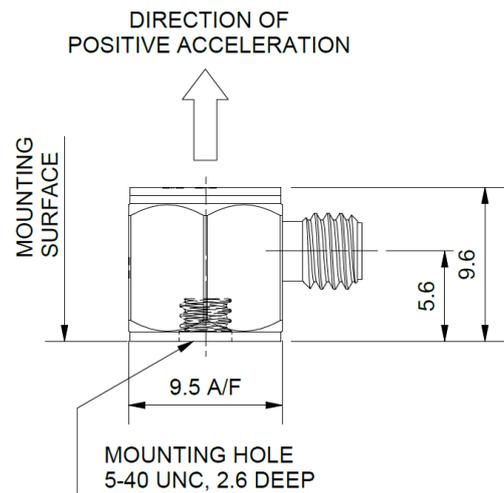
A/23/E-1 Side Entry 10-32 Microdot, ceramic isolated adhesive mount

A/23/TE-1 Top Entry 10-32 Microdot, ceramic isolated adhesive mount

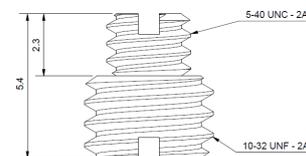
TYPICAL CABLE OPTIONS

- ✓ MP2/BC1/T18/30 - Microdot to BNC, low noise co-axial, 3 meters
- ✓ MP2/MP2/T18/30 - Microdot to Microdot, low noise co-axial, 3 meters
- ✓ Other options and lengths available

A/23/EB ACCELEROMETER DIMENSIONS



SM/05 MOUNTING STUD DIMENSIONS



All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance

A/23/EB

| | |
|---|-------------------------------|
| Charge Sensitivity | 8pC/g nominal |
| Frequency Response ($\pm 5\%$) | 1Hz - 10kHz |
| Frequency Response ($\pm 10\%$) | 0.7Hz - 11kHz |
| Resonant Frequency | ≥ 50 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 ($\pm 10\%$) | 1200pF |
| Connector | Side Entry, 10-32 UNF Microdot |

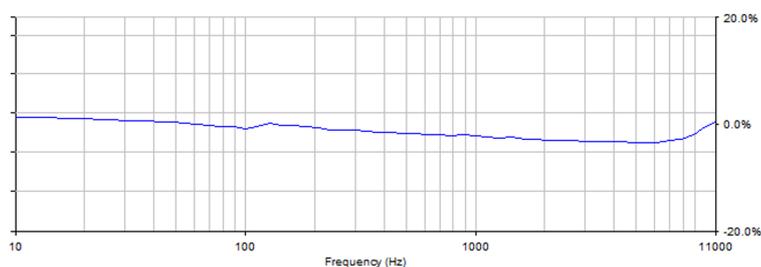
Physical

| | |
|------------------------------------|-----------------------------|
| Case Material | Titanium |
| Mounting | 2.6mm Tapped Base, 5-40 UNC |
| Reccomended Mounting Torque | 0.8Nm |
| Weight | 3.6 grams |
| Size (mm) | 9.5mm (A/F) x 9.6mm |
| (Inches) | 0.38" (A/F) x 0.38" |

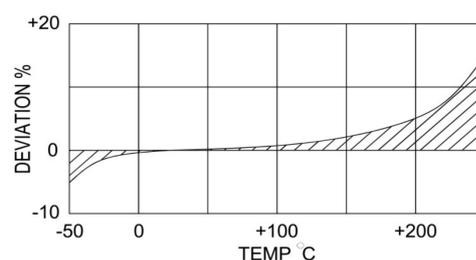
Environmental

| | |
|---|---------------------------------------|
| Temperature Range ($^{\circ}$C) | -55 $^{\circ}$ C to +250 $^{\circ}$ C |
| ($^{\circ}$F) | -67 $^{\circ}$ F to +482 $^{\circ}$ F |
| Maximum Shock | 10000g |
| Total Mass Loss (TML) | <0.1% |

TYPICAL FREQUENCY RESPONSE



TYPICAL THERMAL RESPONSE



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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.