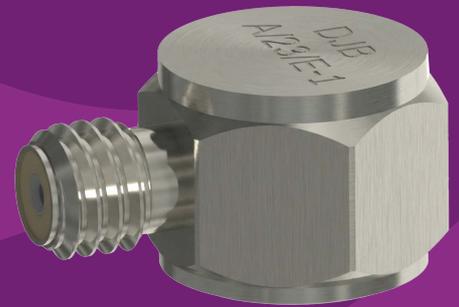


A/23/E-1

Mono-axial charge accelerometer

8pC/g, Side Entry 10-32 Microdot Connector, Ceramic Isolated Adhesive Mount



KEY FEATURES

- ✓ 0.7Hz to 11kHz frequency range
- ✓ 8pC/g nominal sensitivity
- ✓ Titanium case
- ✓ Ceramic isolated mount
- ✓ 3.4 grams

DEVICE/FAMILY OPTIONS

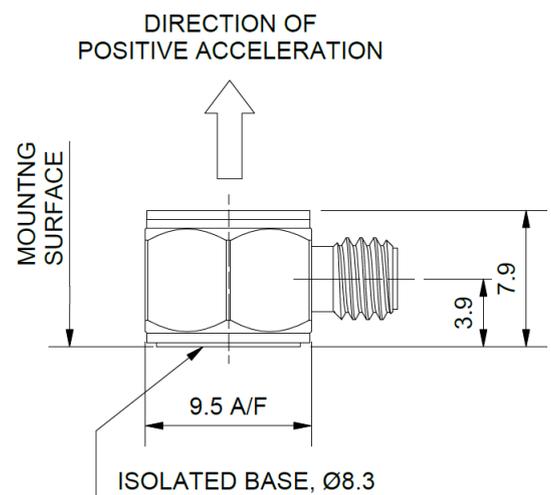
- ✓ Extended low & high frequency calibration
- ✓ Alternative/additional stud options

- 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/E-1 ACCELEROMETER DIMENSIONS



All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance

A/23/E-1

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

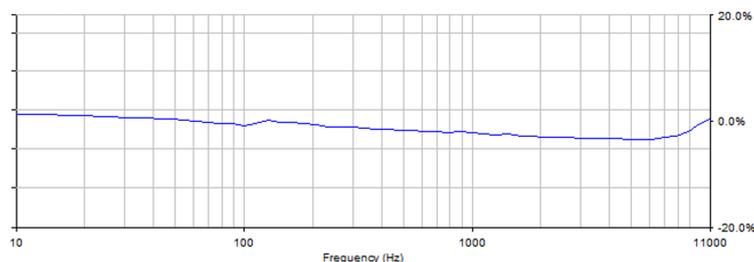
Physical

Case Material	Titanium
Mounting	Adhesive, ceramic isolated base
Recommened Mounting Torque	N/A
Weight	3.4 grams
Size (mm)	9.5mm (A/F) x 7.9mm
(Inches)	0.38" (A/F) x 0.31"

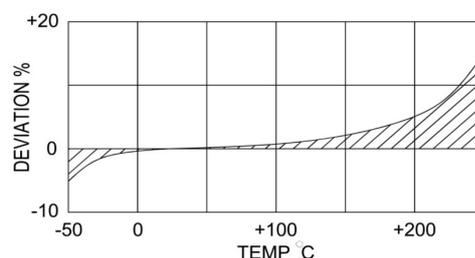
Environmental

Temperature Range ($^{\circ}$C)	-55 $^{\circ}$ C to +200 $^{\circ}$ C
($^{\circ}$F)	-67 $^{\circ}$ 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



ISO 9001 - 00025363



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.