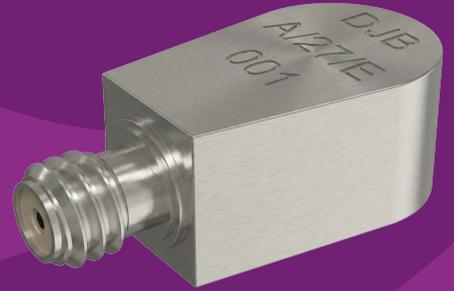


# A/27/E

## Mono-axial charge accelerometer

2pC/g, Side Entry M3.5 Connector, Adhesive Mount



### KEY FEATURES

- ✓ 0.7Hz to 13kHz frequency range
- ✓ 2pC/g nominal sensitivity
- ✓ Titanium case
- ✓ 1.4 grams

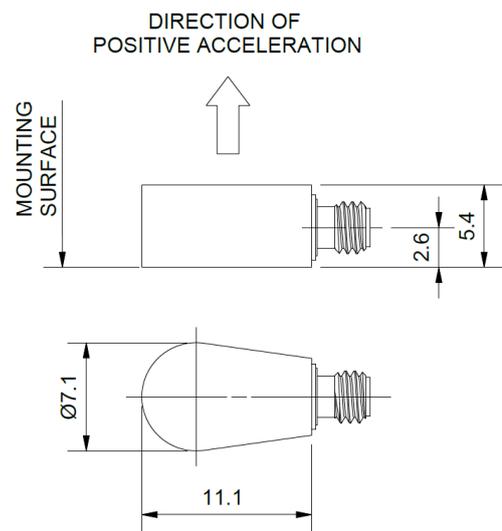
### DEVICE OPTIONS

- ✓ Extended low & high frequency calibration

### CABLE OPTIONS

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

### A/27/E ACCELEROMETER DIMENSIONS



All measurements in millimeters (mm)

# TECHNICAL SPECIFICATIONS

## Performance

A/27/E

<b>Charge Sensitivity</b>	2pC/g nominal
<b>Frequency Response (<math>\pm 5\%</math>)</b>	1Hz - 11kHz
<b>Frequency Response (<math>\pm 10\%</math>)</b>	0.7Hz - 13kHz
<b>Resonant Frequency</b>	$\geq 50$ kHz
<b>Base Strain Sensitivity</b>	$\leq 0.001$ g/ $\mu\epsilon$
<b>Cross-Axis Error</b>	$\leq 5\%$

## Electrical

<b>Capacitance (<math>\pm 10\%</math>)</b>	270pF
<b>Connector</b>	Side Entry, M3.5

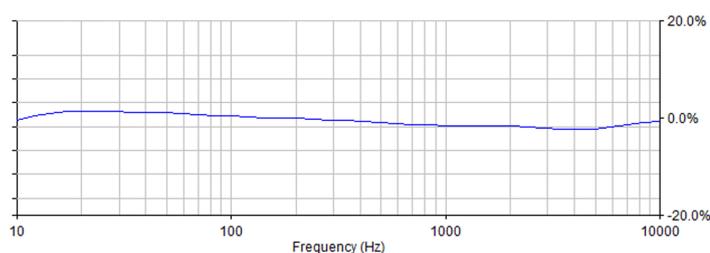
## Physical

<b>Case Material</b>	Titanium
<b>Mounting</b>	Adhesive
<b>Reccomended Mounting Torque</b>	N/A
<b>Weight</b>	1.4 grams
<b>Size (mm)</b>	11.1 x 7.1 x 5.4mm
<b>(Inches)</b>	0.44 x 0.28 x 0.21"

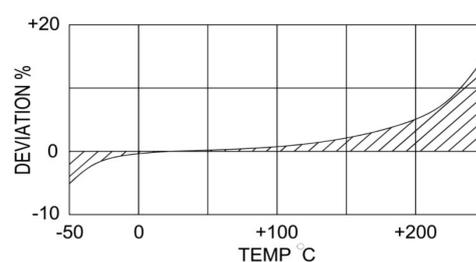
## Environmental

<b>Temperature Range (<math>^{\circ}\text{C}</math>)</b>	$-55^{\circ}\text{C}$ to $+250^{\circ}\text{C}$
<b>(<math>^{\circ}\text{F}</math>)</b>	$-67^{\circ}\text{F}$ to $+481^{\circ}\text{F}$
<b>Maximum Shock</b>	10000g
<b>Total Mass Loss (TML)</b>	$< 0.1\%$

## TYPICAL FREQUENCY RESPONSE



## TYPICAL THERMAL RESPONSE



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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.