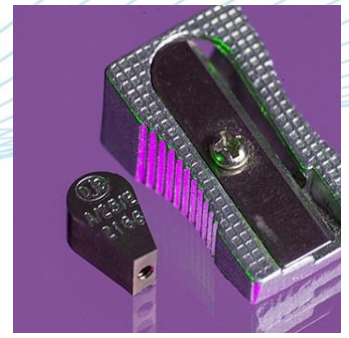


A/25/E Miniature Piezoelectric Accelerometer

2pC/g nom.

1.5gm

200°C Max



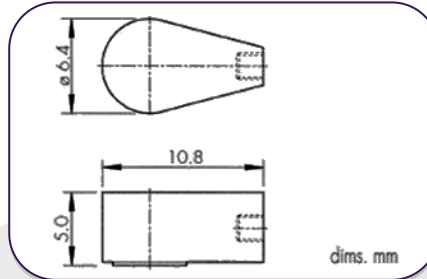
Sub-miniature, all welded, Konic shear sensing element based vibration transducer. The low mass of the A/25/E renders its transparent in the vast majority of light weight structure vibration measurement applications.

The A/25/E is adhesive mounted. A detachment tool is provided to shear adhesive joints. Shock removal is to be avoided as being deleterious to the integrity of the transducer.

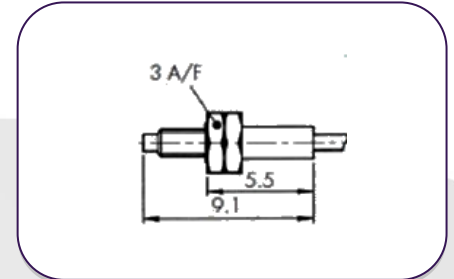
Abrasive cleaning of the attachment face will reduce base thickness over time; sparing use of adhesive will aid longevity and data accuracy.

Signal outlet is via a surface contact socket. Mating connector preload torque should be 7cNm, the locknut tightened to 12cNm for signal integrity to 10,000g. Insufficient preload may result in intermittent signal loss.

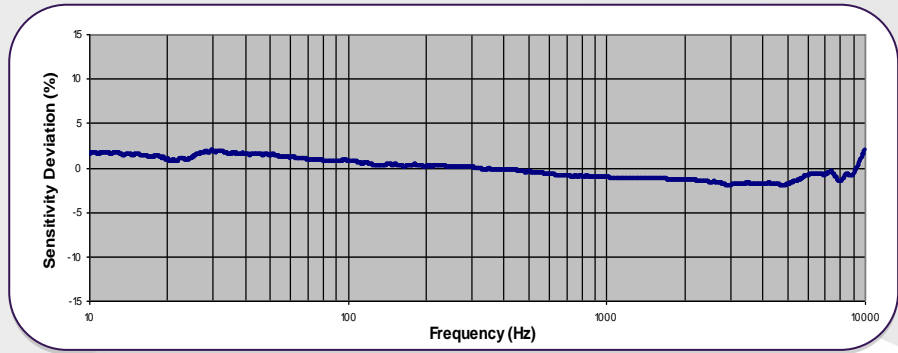
A/25/E



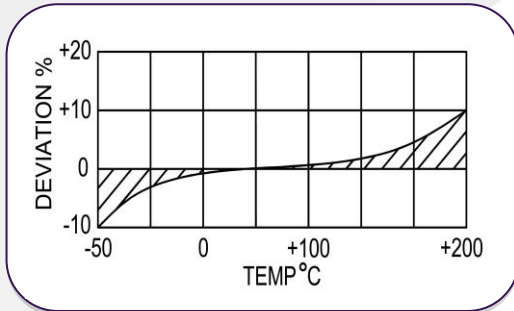
A/25/E L5 Connector



Typical Frequency Response



Temperature Response



Options

- Wideband temperature calibration -50/+200°C
- Proof shock testing
- Available at a tri-axial designated type A/32

	Metric	Imperial
Charge sensitivity nom.	0.20pC/(m/s ²)	2pC/g
Resonant Frequency	50 kHz	
Typical Frequency Response	±5% 1Hz – 10kHz ±10% 0.7Hz – 11kHz	
Cross Axis error	≤5%	
Capacitance nom.	270 pF	
Temperature Range	-50/ +200°C	-58/ +392°F
Charge sensitivity deviation (20°C / 68°F)	-5% @ -50°C +15% @ +200°C	-5% @ -58°F +15% @ +392°F
Base strain sensitivity	≤ 5%	
Maximum Continuous q level	49033m/s ²	5000g
Pyro-electric output	0.15	
Pyro-electric corner frequency	0.005	
Max Shock q level, rise time μs	98100m/s ² , 20	10000g, 20
Case Material	s/steel 303 S31	
Mounting	Adhesive	
Weight	1.5gm	0.05oz
Case seal	Welded	
Size	10.8 x 6.4 x 5mm	0.43 x 0.25 x 0.20in
Connector	L5	

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

DJB Instruments (UK) Ltd

Finchley Avenue,
Mildenhall, Suffolk IP28 7BG

Tel +44 (0)1638 712 288
Email sales@djbinstruments.com
Web www.djbinstruments.com

DJB Iss.2 2018



A UK company with UK-based manufacturing, assembly and calibration in-house.

FM11310