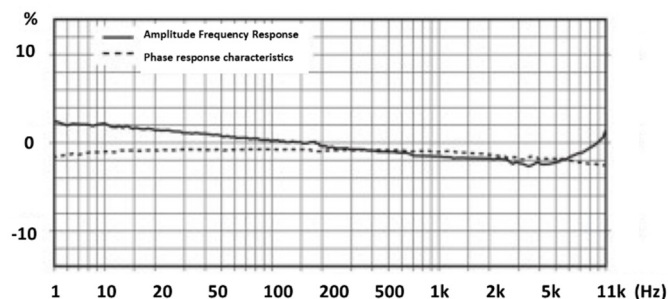
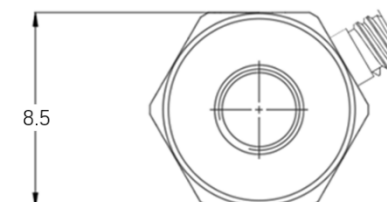
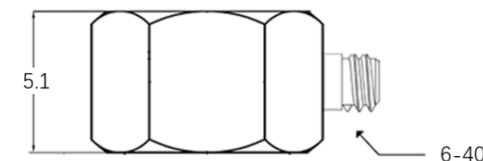
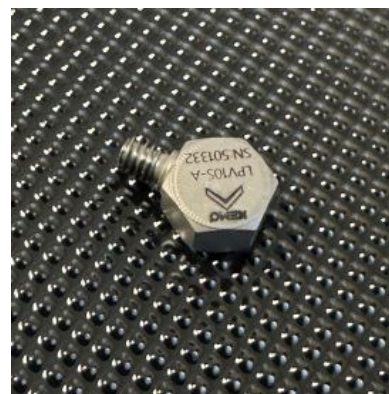


- Low profile IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 50mV/g
- Mass – 1.3grams
- 6-40 side entry connector
- Flat base for adhesive mounting

The LPV50S-A is a low profile miniature monoaxial IEPE accelerometer with a side entry 6-40 microdot connector and a flat base for adhesive or wax mounting. It's low profile shape has a height of just 5.1mm making it ideal for mounting in restricted locations, its 8.5mm hexagonal base makes it easy to remove. Featuring a shear design PZT-5 sensing element the LPV50S-A provides high accuracy with wide bandwidth up to 10kHz

Specification	Metric	Imperial
Sensitivity	5.1mV/(m/s ²)	50mV/g
Measurement Range (pk)	±980m/s ²	±100g
Frequency Range ±10%	1 to 10000 Hz	
Resonant Frequency	≥37 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s ² rms	0.0002g rms
Overload Limit (Shock)	±19600(m/s ²)pk	±2000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	8.5x5.1mm	0.33"x0.20"
Weight	1.3gm	0.05oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welding	
Electrical Connection Type	6-40 Microdot	
Mounting	Flat base for adhesive mounting	



Kemo has a range of cable assemblies available for use with the LPV50S-A and other IEPE accelerometers.

13E2-30 – 3m(10ft) 6-40 microdot to BNC plug
 13E2-50 – 5m(15ft) 6-40 microdot to BNC plug
 13E1-30 – 3m(10ft) 6-40 mdot to 10/32UNFmdot
 13E1-50 – 5m(15ft) 6-40 mdot to 10/32UNFmdot

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