

UEA334 Series

Low Cost, Dynamic Vibration IEPE Ultrasound Sensor, 1/4-28
Mounting, Side Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±15%

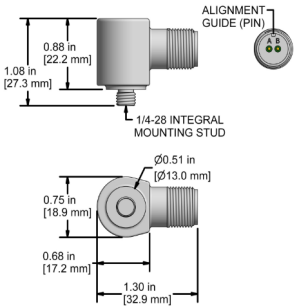


Product Features

- High Frequency Ultrasound Accelerometer
- High Amplitude Resonance Peak for Stress Wave Measurement Techniques
- ▶ For use with MH149-1A Magnet & MH130-4A Mounting Target
 - ▶ IEPE Amplifier Technology
 - ▶ 2 Pin Mini-MIL Connection or Integral Cable
Note: Integral Cable Options are only for Permanent Monitoring Applications

UEA334
2 Pin Connector

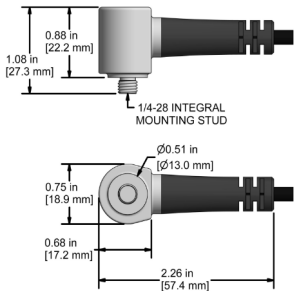
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

UEA434
Molded Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEA334		Environmental		
Sensitivity (±15%)		100 mV/g	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-1,020,000 CPM	1 Hz - 17 kHz	Maximum Shock Protection		10,000g, peak
Frequency Response (±10%)	120-600,000 CPM	2 Hz - 10 kHz	Electromagnetic Sensitivity		CE
Dynamic Range		± 80g, peak *Vsource ≥ 22V, 12Vbias	Sealing		Welded, Hermetic
Peak Sensitivity		+21 dB ± 2 dB	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time	< 2 Seconds		Sensing Structure		Shear Mode
Voltage Source (IEPE)	18-30 VDC		Weight	1.5 oz	43 grams
Constant Current Excitation	2-10 mA		Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz	30 µg/√Hz		Mounting Thread		1/4-28 Integral Stud
Spectral Noise @ 100 Hz	4 µg/√Hz		Connector (Non-Integral)		2 Pin mini-MIL, J Series Connector
Spectral Noise @ 1000 Hz	2 µg/√Hz				
Output Impedance	< 100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	> 10 ⁸ ohm				