

UEB330 Series

Ultrasound Sensor, 100mV/g, Top Exit, 2 Pin mini-MIL Connector, 1/4-28 Mounting



Actual
Product
Size
Shown



Product Features

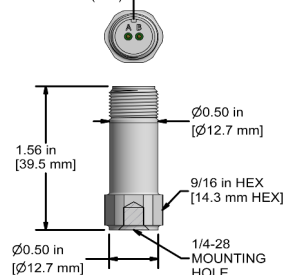
- ▶ High Frequency Ultrasound Accelerometer
- ▶ High Amplitude Resonance Peak for Stress Wave Measurement Techniques
- ▶ IEPE Amplifier Technology

UEB330

2 Pin Connector

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

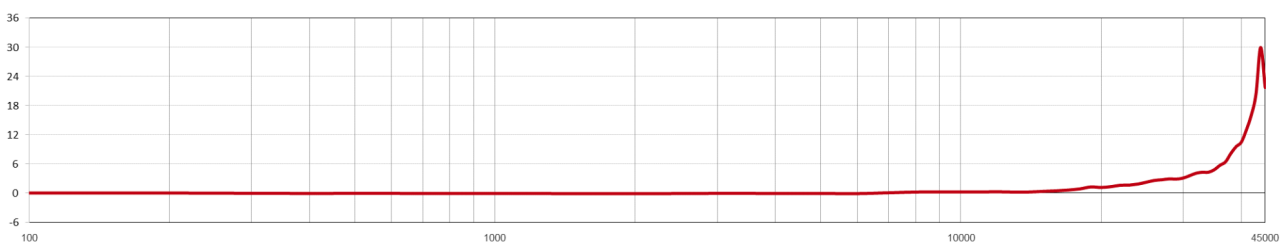
ALIGNMENT
GUIDE (PIN)



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEB330	M/UEB330	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	30-1,500,000 CPM	0.5 Hz-25 kHz	Maximum Shock Protection		10,000g, peak
Frequency Response ($\pm 10\%$)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		$\pm 50\text{g}$, peak	Sealing		Welded, Hermetic
Peak Sensitivity		30 dB	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		< 2 Seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-30 VDC	Weight	0.7 oz	20 g
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		30 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting		1/4-28 UNF
Spectral Noise @ 100 Hz		4 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector		2 Pin mini-MIL, J Series Connector
Spectral Noise @ 1000 Hz		2 $\mu\text{g}/\sqrt{\text{Hz}}$	Resonant Frequency	2,640,000 CPM	44 kHz
Output Impedance		< 100 ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Bias Output Voltage		10-14 VDC	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Case Isolation		> 10^8 ohm	Calibration Certificate		CA10

Ultrasound Resonance



Backed by our Unconditional Lifetime Warranty

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