

MEB212 Series

Lightweight, Molded Accelerometer, 100 mV/g, Top Exit, Integral Cable, 10-32 Mounting, High Voltage Resistance



A CTC COMPANY



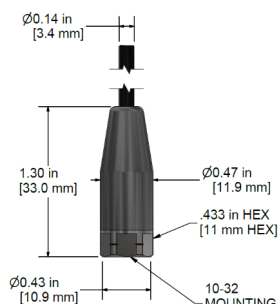
Product Features

- ▶ Overmolded Accelerometer
- ▶ IP68 Rated
- ▶ >5 kV AC Dielectric Breakdown Voltage

MEB212

Integral Cable

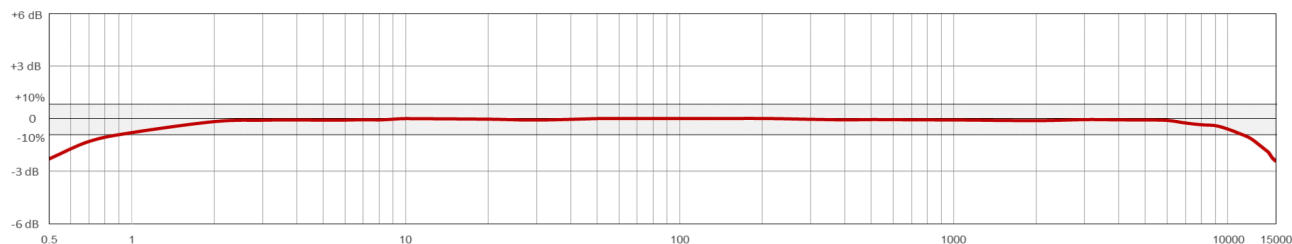
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB212	M/MEB212	<u>Environmental</u>		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response ($\pm 10\%$)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		± 50 g, peak	Sealing		Welded, Hermetic
<u>Electrical</u>			<u>Physical</u>		
Settling Time	< 2 Seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	0.35 oz	10 grams
Spectral Noise @ 10 Hz	30 $\mu\text{g}/\sqrt{\text{Hz}}$		Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz	4 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting		10-32 UNF
Spectral Noise @ 1000 Hz	2 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector		10-32
Output Impedance	< 100 ohm		Cable Jacket Diameter		0.14 in (3.6 mm)
Bias Output Voltage	10-14 VDC		Cable Jacket Material		Polyurethane
Case Isolation	>10 ⁸ ohm		Cable Conductor		26 AWG Twisted Shielded Pair
Dielectric Breakdown Voltage	5 kV AC		Resonant Frequency	2,640,000 CPM	44 kHz
			Mounting Hardware	10-32 Stud	M5 Stud
			Calibration Certificate		CA10

Typical Frequency Response



Lifetime Warranty on Materials & Workmanship

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