

# MEB212 Series

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



PROTECTION & RELIABILITY INSTRUMENTS



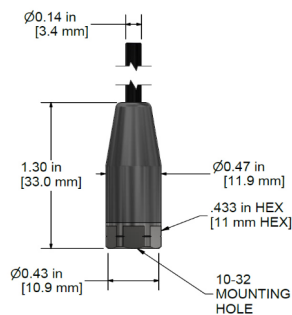
## Product Features

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

### MEB212

CB127 Integral Cable

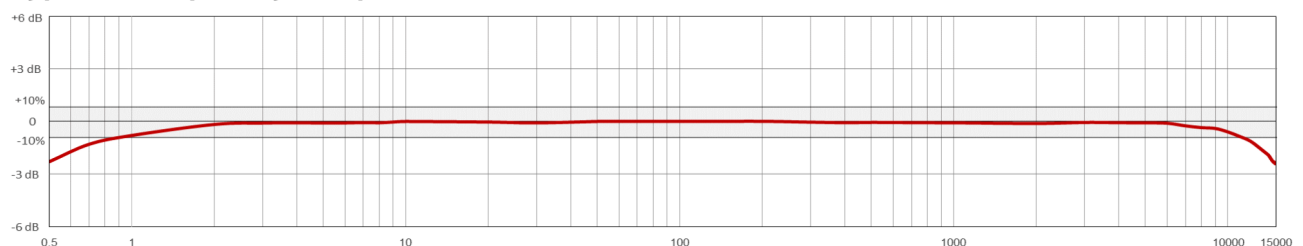
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB212	MEB222	<b>Environmental</b>		
Sensitivity (±10%)	100 mV/g		Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response (±10%)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity		CE Approved
Dynamic Range	± 50 g, peak		Sealing		IP68 Integrally Molded Cable
<b>Electrical</b>			<b>Physical</b>		
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 µg/√Hz		Mounting Base		316L Stainless Steel
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting		10-32 UNF
Spectral Noise @ 1000 Hz	2 µg/√Hz		Cable Jacket Diameter		0.14 in (3.6 mm)
Output Impedance	< 100 ohm		Cable Jacket Material		Polyurethane
Bias Output Voltage	10-14 VDC		Cable Conductor		26 AWG Twisted Shielded Pair
Case Isolation	>10 <sup>8</sup> ohm		Resonant Frequency	2,640,000 CPM	44 kHz
Dielectric Breakdown Voltage	5 kV AC		Mounting Torque	1.5 - 2.5 ft. lbs (2.0 to 3.4 Nm)	
			Mounting Hardware	10-32 Stud	M5 Stud
			Calibration Certificate		CA10

## Typical Frequency Response



Lifetime Warranty on Materials & Workmanship

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