

MCB361 Series

Low Cost, Low Profile Accelerometer with Integrated Rotating Mounting Base, Side Exit Molded Integral Cable, 10 mV/g, ±15%



VIBRATION ANALYSIS HARDWARE



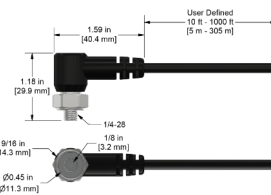
Product Features

Features an Integrated, Rotating Mounting Base for Easy Sensor Positioning

- ▶ Designed for Low Profile, Permanent Monitoring Applications
- ▶ IP68 Rated

MCB361-2A CB110 Integral Cable

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MCB361	M/MCB361	Environmental		
Sensitivity (±15%)	10 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Dynamic Range	± 500 g, peak *Vsource ≥ 22V, 12Vbias		Maximum Shock Protection	10,000 g, peak	
Electrical			Electromagnetic Sensitivity	CE Approved	
Settling Time	< 2 Seconds		Sealing	IP68	
Voltage Source (IEPE)	18-30 VDC		SIL Rating	SIL 2	
Constant Current Excitation	2-10 mA		Physical		
Spectral Noise @ 10 Hz	100 µg/√Hz		Sensing Element	PZT	
Spectral Noise @ 100 Hz	19 µg/√Hz			Ceramic	
Spectral Noise @ 1000 Hz	5 µg/√Hz		Sensing Structure	Shear Mode	
Output Impedance	< 100 ohm		Weight	70 ounces	19.8 grams
Bias Output Voltage	10-14 VDC		Mounting Base	316L Stainless Steel	
Case Isolation	>10 ⁸ ohm		Mounting Thread	1/4-28	
			Mounting Torque	1.5 - 2.5 ft. lbs	2,0 to 3,4 Nm
			Mounting Hardware Supplied	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate	CA10	

Typical Frequency Response