

MCB361 Series

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



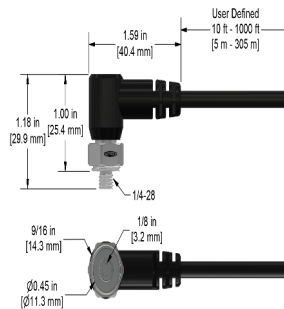
Product Features

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 ($\pm 15\%$)	10 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response ($\pm 3\text{dB}$)	30-840,000 CPM	0.5 Hz-14 kHz	Maximum Shock Protection	10,000 g, peak	
Dynamic Range	± 500 g, peak *Vsource $\geq 22\text{V}$, 12Vbias		Electromagnetic Sensitivity	CE Approved	
Transverse Sensitivity	$\leq 5\%$		Sealing	IP68	
Electrical			SIL Rating	SIL 2	
Settling Time	< 2 Seconds		Physical		
Voltage Source	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	100 $\mu\text{g}/\sqrt{\text{Hz}}$		Weight	0.7 ounces	20 grams
Spectral Noise @ 100 Hz	19 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting Base	316L Stainless Steel	
Spectral Noise @ 1000 Hz	5 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting Thread	1/4-28	
Output Impedance	< 100 ohm		Mounting Torque	1.5 - 2.5 ft. lbs	2.0 to 3.4 Nm
Bias Output Voltage	10-14 VDC		Mounting Hardware Supplied	1/4-28 Stud	M6x1 Adapter Stud
Case Isolation	>10 ⁸ ohm		Calibration Certificate	CA10	

Typical Frequency Response

