

MCB360 Series

Premium, Low Profile Accelerometer with Integrated Rotating Mounting Base, Side Exit Molded Integral Cable, 10 mV/g, $\pm 5\%$



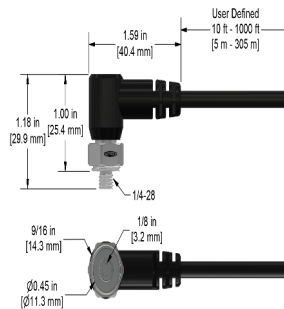
Product Features

Features an Integrated, Rotating Mounting Base for Easy Sensor Positioning

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

MCB360-2A CB110 Integral Cable

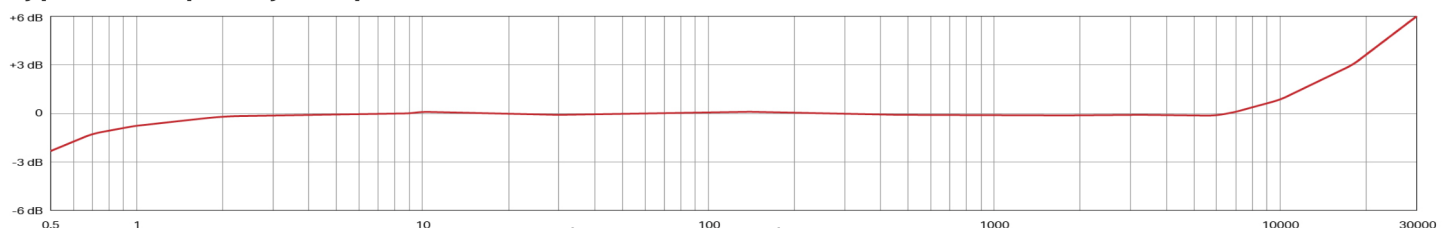
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MCB360	M/MCB360	Environmental		
Sensitivity ($\pm 5\%$)	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		Cable Jacket Diameter	0.175 in. (4.5 mm)	
Bias Output Voltage	10-14 VDC		Cable Jacket Material	Polyurethane	
Case Isolation	$> 10^8$ ohm		Cable Conductor	20 AWG Twisted Shielded Pair	
			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



www.ctconline.com | sales@ctconline.com | 585-924-5900