

TCB110 Series

Test and Measurement Accelerometer, 10mV/g, Top Edit, 10-32
Coaxial Connector, 10-32 Mounting



Actual
Product
Size
Shown

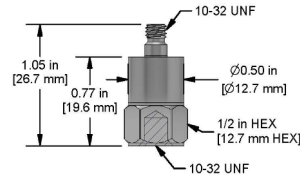


Product Features

- ▶ General Purpose Test & Measurement Accelerometer
- ▶ Lightweight Titanium Case
- ▶ 10kHz (±5%) Frequency Response

TCB110 Coaxial Connector

Connector Pin	Polarity
Center	(+) Signal/Power
Shell	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)		10 mV/g	<u>Environmental</u>		
Frequency Response (±3dB)	30-1,800,000 CPM	0.5 Hz-30 kHz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection	10,000 g, peak	
Frequency Response (±5%)	30-600,000 CPM	0.5 Hz-10 kHz	Electromagnetic Sensitivity	CE (Pending)	
Dynamic Range	± 500g, peak		Sealing	Welded, Hermetic	
Non-Linearity	≤ 1%		<u>Physical</u>		
Transverse Sensitivity	≤ 5%		Sensing Element	PZT Ceramic	
<u>Electrical</u>			Sensing Structure	Shear Mode	
Settling Time	<2 Seconds		Weight	0.35 oz	10 grams
Voltage Source (IEPE)	18-30 VDC		Case Material	Titanium	
Constant Current Excitation	2-10 mA		Mounting	10-32 UNF	
Spectral Noise @ 10 Hz	100 µg/ √Hz		Connector (Non-Integral)	10-32	
Spectral Noise @ 100 Hz	19 µg/ √Hz		Resonant Frequency	2,640,000 CPM	44 kHz
Spectral Noise @ 1000 Hz	5 µg/ √Hz		Calibration Certificate	CA12	
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	Case Ground				

Typical Frequency Response

