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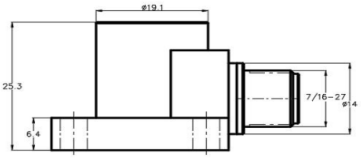
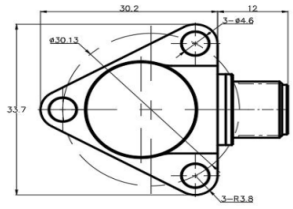
Ultra-high Temperature Differential Charge Output Accelerometer

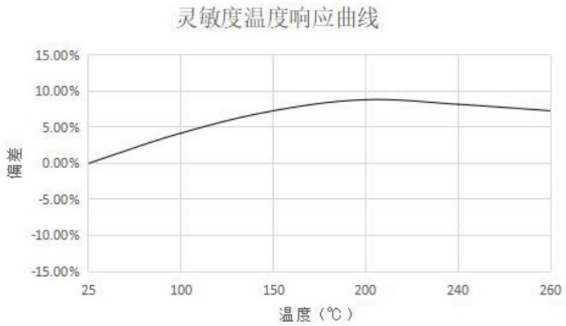
Model No: C02BT4

Product Features:

- **Designed for High-Temperature Test Environments**
- **Maximum operating temperature up to 260°C, with an ultra-low sensitivity temperature coefficient.**
- **Special high-temperature resistant metal casing, special high-temperature resistant piezoelectric materials, low temperature drift**
- **Triangular fixed installation, stable and reliable, quick to install**
- **Special dual-core cable, differential signal output, less interference.**
- **Customizable integrated cable output**







Technical specifications

Features	Units	C02BT4
Sensitivity	pC/g	10
Measuring Range	g	±1500
Frequency Response ±5%	Hz	1-10k
Frequency Response ±10%	Hz	1-11k
Amplitude Linearity	%	⩽1
Transverse Sensitivity	%	⩽5
Mounting Resonant Frequency	kHz	⩾50
Environmental		
Base strain	g/ε	0.003
Shock Limit [1]	g pk	4000
Maximum Vibration [2]	g rms	3000
Sensitivity Temperature Coefficient	%/℃	0.020
Operating Temperature	℃	-50~260
Sealing Type	IP68	Laser welding
Electrical Parameters		
Output Type		Differential
Element Capacitance	pF	1250
Element Insulation Resistance	25℃ Ω	⩾1×10 [10]
Element Insulation Resistance	500℃Ω	⩾1×10 [7]
Structure		
Sensitive Element		High-Temperature Piezoelectric Ceramic
Sensitive Element		Nickel-Based Alloy
Sealing Type		Laser welding IP68
Output Connector		7/16-27 twin-core
Installation Type		M4x3
Insulation Resistance to Ground	Ω	⩾1×10 [8]
Mass	g	61
Recommended Installation Torque	N·m	1.8

Notes: 1,2: Refer to the sensor's mechanical structure not being damaged while in a non-powered state.

Product Factory Configuration:

- User Manual
- Factory Calibration Report
- Standard 3-meter High-Temperature Cable
- Installation Screws