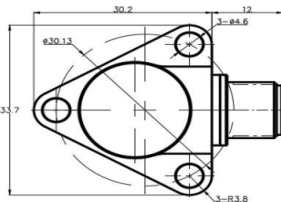
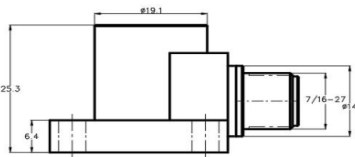


Ultra-high Temperature Differential Charge Output Accelerometer

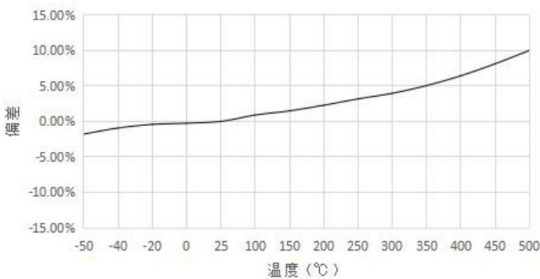
Model No: C02BT3

Product Features:

- Designed Specifically for High-Temperature Testing Environments
- Maximum operating temperature reaches 500°C, with an ultra-low sensitivity temperature coefficient
- Special heat-resistant metal casing and special heat-resistant piezoelectric materials, ensuring low temperature drift
- Triangular Mounting for Stability and Quick Installation
- Special Twin-Core Cable with Differential Signal Output for Reduced Interference



灵敏度温度响应



Technical specifications

Features	Units	C02BT3
Sensitivity	pC/g	10
Measuring Range	g	±600
Frequency Response ±5%	Hz	10-5k
Frequency Response ±10%	Hz	1-9k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥30

Environmental

Base strain	g/ε	0.003
Shock Limit ¹	g pk	1500
Maximum Vibration ²	g rms	1000
Sensitivity Temperature Coefficient	%/°C	0.023
Operating Temperature	°C	-50~500
Sealing Type	IP68	Laser welding

Electrical Parameters

Output Type	Differential	
Element Capacitance	pF	500
Element Insulation Resistance	25°C Ω	≥1×10 ⁹
Element Insulation Resistance	500°CΩ	≥1×10 ⁷

Structure

Sensitive Element	High-Temperature Piezoelectric Ceramic	
Sensitive Element	Nickel-Based Alloy	
Sealing Type	Laser welding	
Output Connector	7/16-27 twin-core	
Installation Type	φ4.6Through Holex3	
Insulation Resistance to Ground	Ω	≥1×10 ⁸
Mass	g	80
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