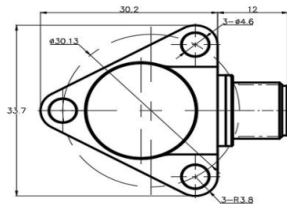
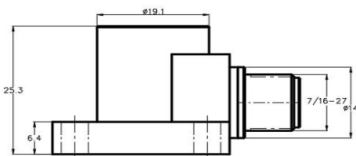


Ultra-high Temperature Differential Charge Output Accelerometer

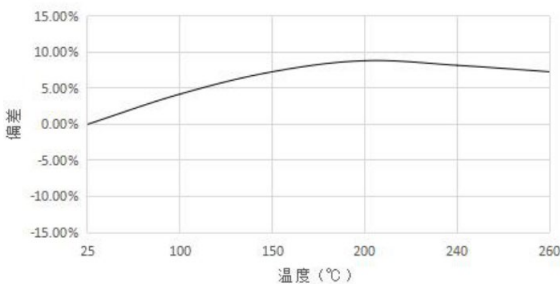
Model No: C05BT4

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



灵敏度温度响应曲线



Technical specifications

Features	Units	C05BT4
Sensitivity	pC/g	50
Measuring Range	g	±500
Frequency Response ±5%	Hz	1-6k
Frequency Response ±10%	Hz	1-9k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥28

Environmental

Base strain	g/ε	0.003
Shock Limit ¹	g pk	2000
Maximum Vibration ²	g rms	1000
Sensitivity Temperature Coefficient	%/°C	0.020
Operating Temperature	°C	-50~260
Sealing Type	IP68	Laser welding

Electrical Parameters

Output Type	Differential	
Element Capacitance	pF	3000
Element Insulation Resistance	25°C Ω	≥1×10 ¹⁰
Element Insulation Resistance	500°C 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	91
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