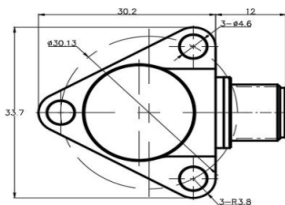
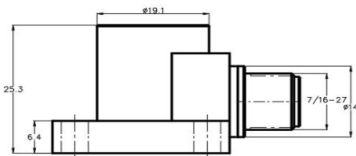


# Ultra-high Temperature Differential Charge Output Accelerometer

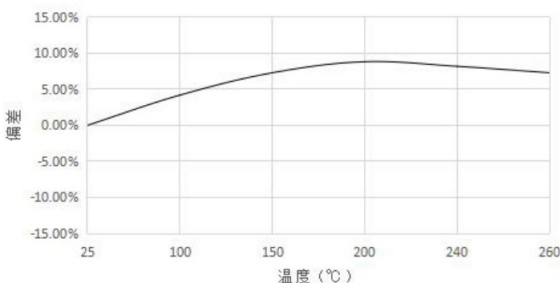
Model No: C03BT4

## 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	C03BT4
Sensitivity	pC/g	20
Measuring Range	g	±1000
Frequency Response ±5%	Hz	1-9k
Frequency Response ±10%	Hz	1-11k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥40

## Environmental

Base strain	g/ε	0.003
Shock Limit <sup>1</sup>	g pk	3000
Maximum Vibration <sup>2</sup>	g rms	2500
Sensitivity Temperature Coefficient	%/°C	0.020
Operating Temperature	°C	-50~260
Sealing Type	IP68	Laser welding

## Electrical Parameters

Output Type	Differential	
Element Capacitance	pF	1300
Element Insulation Resistance	25°C Ω	≥1×10 <sup>10</sup>
Element Insulation Resistance	500°C Ω	≥1×10 <sup>7</sup>

## 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<sup>8</sup>

<b>Mass</b>	g	62
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