



SINOCERA



Global Sensor
Technology

250pC/ms⁻² High Sensitivity Accelerometer

Model CA-YD-109

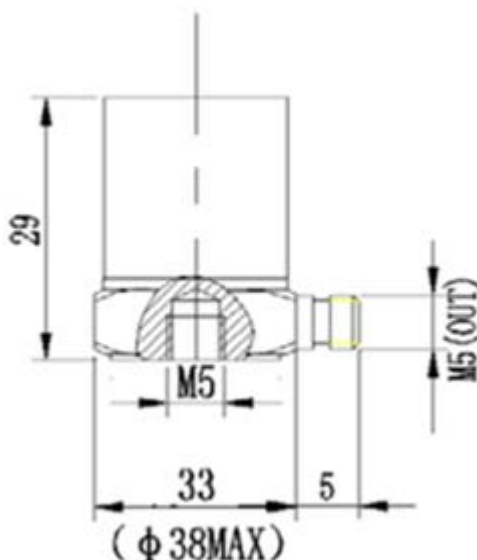
FEATURES

- Low frequency and low level vibration measurement
- Very low frequency characteristics
- Charge output



SUPPLIED WITH

- Calibration chart
- Mount Screw
- Lower noise cable(2metres)



PERFORMANCE

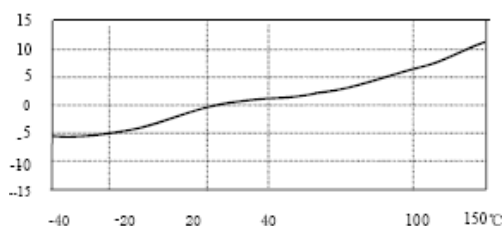
Sensitivity (at 20±5°C)	250pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (±0.5dB)	0.3 to 1,000 Hz
Resonant frequency	2500Hz
Temperature response	see graph below
Isolation Impedance	>109Ω
Capacitance	6000 pF

ENVIRONMENTAL CHARACTERISTICS

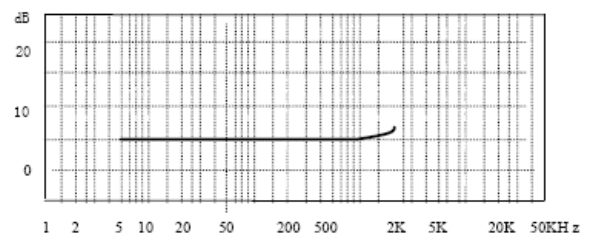
Temperature range	-40 to +150 °C
Shock (±peak)	500g or 5000 ms ⁻²
Thermal transient sensitivity	200 ms ⁻² / °C (0.3Hz)
Magnetic sensitivity	3g/T
Base strain sensitivity	0.5mg/με

PHYSICAL CHARACTERISTICS

Weight	210 g
Case material	Stainless steel
Mounting	M5 stud
Sensing element	PZT-5
Electrical connection	L5 (10-32),side



Typical Temperature Response



Typical Frequency Response (Hz)