



SINOCERA



Global Sensor Technology

General Purpose Wide Frequency Band Accelerometer

Model CA-YD-106

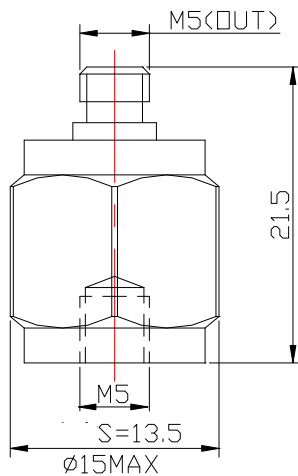
FEATURES

- General purpose vibration and shock measurement
- Low cost
- No supply required
- Charge output



SUPPLIED WITH

- Calibration chart
- M5 to M5 stud
- Protective cap
- STYV-1 cable, fitted with L5 connectors (2m)



PERFORMANCE

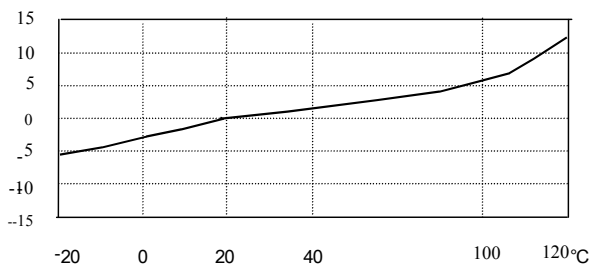
Sensitivity (at 20±5°C)	2.5pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	0.5Hz to 12kHz
Mounted resonance	40kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	1200pF

ENVIRONMENTAL CHARACTERISTICS

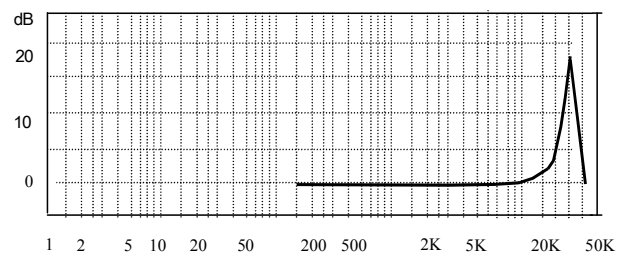
Temperature range	-20 to +120 °C
Shock limit	20,000ms ⁻²
Thermal transient sensitivity	1ms ⁻² /°C (0.3Hz)
Magnetic sensitivity	30ms ⁻² /T

PHYSICAL CHARACTERISTICS

Weight	15g
Case material	stainless steel
Mounting	M5 stud
Sensing element	PZT-5
Sensor design	compression
Electrical connection	top L5 connector
Base strain sensitivity	8ms ⁻² /με



Typical Temperature Response



Typical Frequency Response (Hz)