



SINOCERA



Global Sensor Technology

500,000ms⁻² (50,000g) Accelerometer

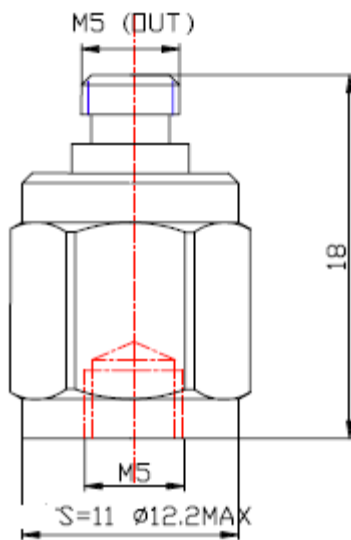
Model CA-YD-111A

FEATURES

- High acceleration measurement
- Low weight
- No supply required
- Charge output

SUPPLIED WITH

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



PERFORMANCE

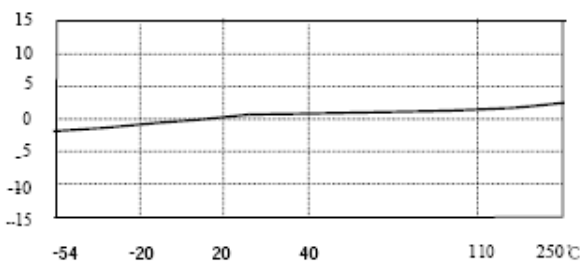
Sensitivity (at 20±5°C)	0.003pC/ms ⁻²
Transverse sensitivity	≤10%
Frequency response	see graph below
Frequency range (10%)	2 to 15kHz
Mounted resonance	45kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	7pF

ENVIRONMENTAL CHARACTERISTICS

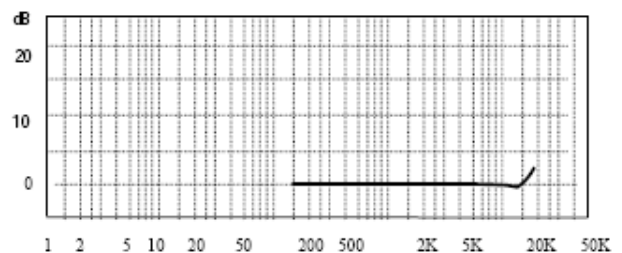
Temperature range	-54 to +250°C
Shock limit	500,000ms ⁻² (50,000g)
Thermal transient sensitivity	1ms ⁻² /°C (0.3Hz)
Magnetic sensitivity	2ms ⁻² /T
Base strain sensitivity	0.025ms ⁻² /µε

PHYSICAL CHARACTERISTICS

Weight	10g
Case material	stainless steel
Mounting	M5 stud
Sensing element	Quartz
Sensor design	compression
Electrical connection	top L5 connector



Typical Temperature Response



Typical Frequency Response (Hz)