



SINOCERA



Global Sensor Technology

100,000ms⁻² (10,000g) Accelerometer

Model CA-YD-126

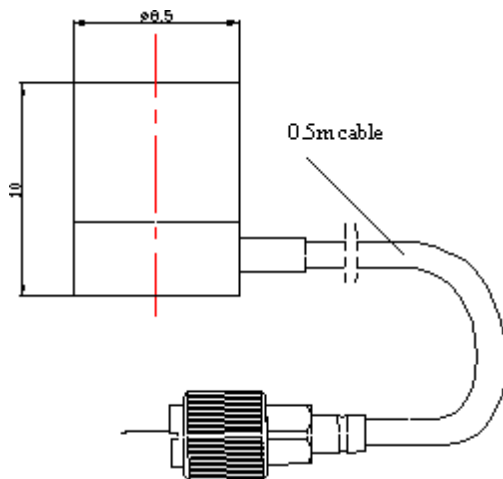
FEATURES

- High acceleration measurement
- Wide frequency band
- Small size
- Charge output
- Integral cable



SUPPLIED WITH

- Calibration chart
- STYV-1 cable (0.5m) for temperature up to 80°C
- STYV-0.9 cable (0.5m) for temperature up to 150°C



PERFORMANCE

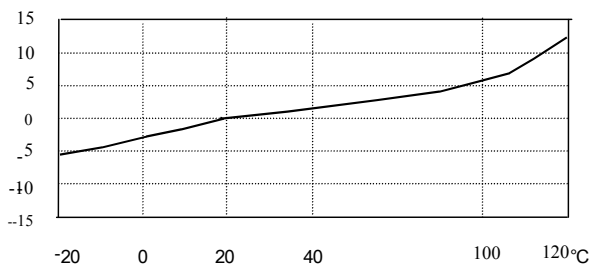
Sensitivity (at 20±5°C)	0.2pC/ms ⁻²
Measurement range	100,000ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	1Hz to 15kHz
Resonant frequency	50kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	600pF

ENVIRONMENTAL CHARACTERISTICS

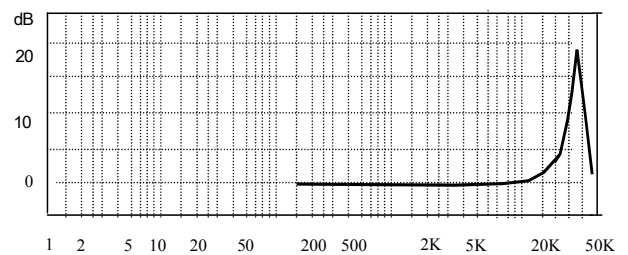
Temperature range	-40°C to 150°C
Shock limit	100,000ms ⁻²
Thermal transient sensitivity	0.0025ms ⁻² /°C(0.3Hz)
Magnetic sensitivity	6ms ⁻² /T
Base strain sensitivity	0.005ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	4g
Case material	stainless steel
Mounting	glue to object
Sensing element	PZT-5
Sensing method	shear
Electrical connection	integral cable



Typical Temperature Response



Typical Frequency Response (Hz)