



SINOCERA



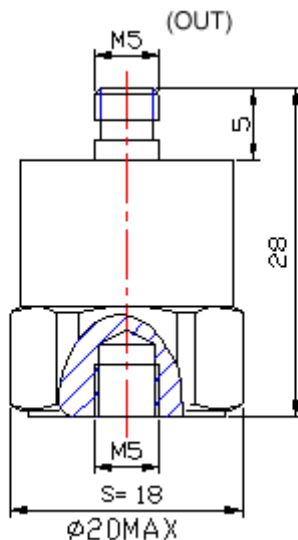
General Purpose (0.3Hz to 5kHz bandwidth) Accelerometer Model CA-YD-127

FEATURES

- General purpose vibration and shock measurement
- No supply required
- Charge output
- Plane shear

SUPPLIED WITH

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



PERFORMANCE

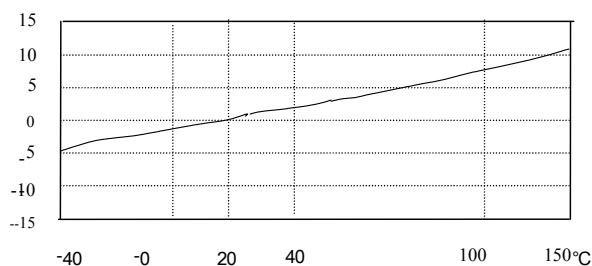
Sensitivity (at 20±5°C)	15pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (1dB)	0.3Hz to 5kHz
Mounted resonance	15kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	2000pF

ENVIRONMENTAL CHARACTERISTICS

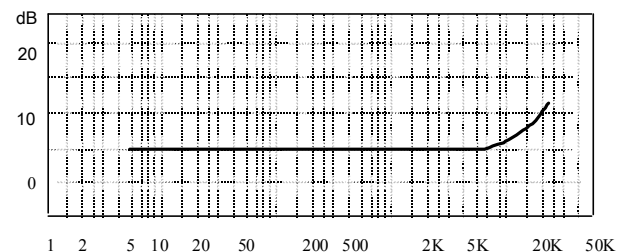
Temperature range	-40 to +150 °C
Shock limit	6,000ms ⁻²
Thermal transient sensitivity	4×10 ⁻² ms ⁻² /°C (0.3Hz)
Magnetic sensitivity	20ms ⁻² /T
Base strain sensitivity	2×10 ⁻³ ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	38g
Case material	stainless steel
Mounting	M5 thread
Sensing element	PZT-5
Sensor design	plane shear
Electrical connection	top L5 connector



Typical Temperature Response



Typical Frequency Response (Hz)