



SINOCERA



Global Sensor Technology

General Purpose 0.5Hz to 8kHz Bandwidth Accelerometer

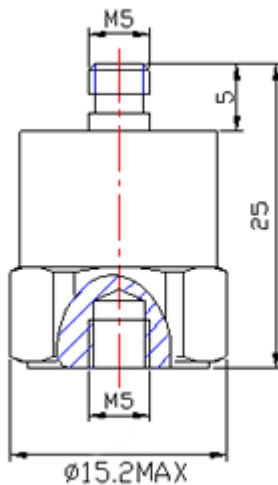
Model: CA-YD-128A

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 (2metres)



PERFORMANCE

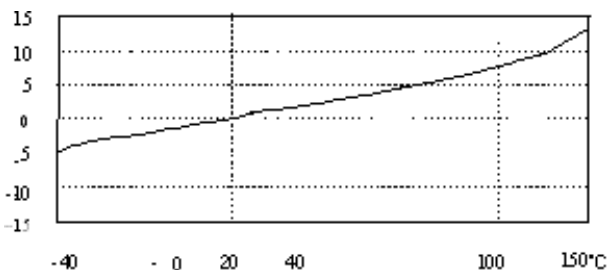
Sensitivity (at 20±5°C)	3pC/ms-2
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (1dB)	0.5Hz to 8kHz
Resonance frequency	30kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>109 Ω
Capacitance	1200pF

ENVIRONMENTAL CHARACTERISTICS

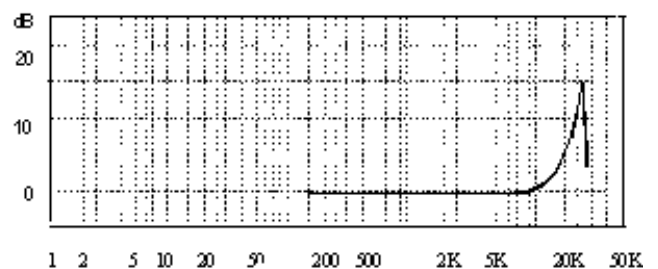
Temperature range	-40°C to 150°C
Shock limit	10000ms-2(1000g)
Thermal transient sensitivity	4×10-2ms-2/°C (0.3Hz)
Magnetic sensitivity	20ms-2/T
Base strain sensitivity	2×10-2ms-2/με

PHYSICAL CHARACTERISTICS

Weight	20g
Case material	stainless steel
Mounting	M5 thread
Sensing element	PZT-5
Sensing method	plane shear
Electrical connection	L5 top connector



Typical Temperature Response



Typical Frequency Response (Hz)