



Piezoelectric Accelerometer (TO-5 Package)

Model: CA-YD-166A

Manufacturer: Sinocera Piezotronics Inc.

Distributor: LABSEN

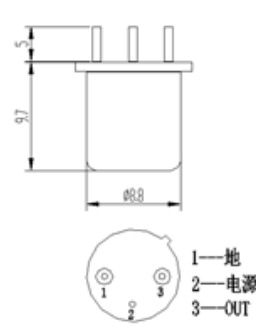


Features:

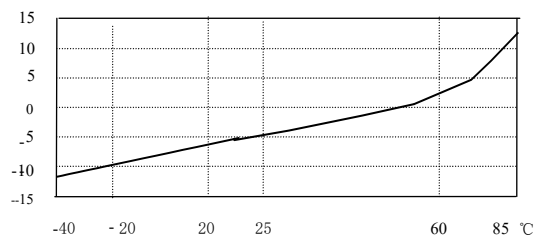
- TO-5 package, weldable installation
- Small size, light weight (embedded type)
- High sensitivity, wide frequency response

Specifications:

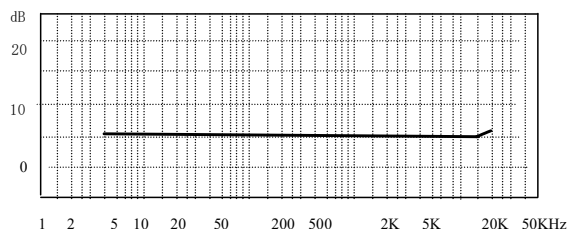
Sensitivity (20±5℃)	~100 mV/ g
Measurement Range(pk)	20 g
Max Transverse Sensitivity	≤5 %
Frequency Response (±5%)	1 ~ 10,000 Hz
Mounting Resonant Frequency	30,000 Hz
Operating Temp. Range	-54~+85 ℃
Temperature Response	See Graph
Shock Limit(pk)	7,000 g
Max Output Signal(pk)	≤2.5 V
Transient Temperature Response	8 mg/℃(0.3Hz)
Magnetic Sensitivity	1.5 g/T
Base Strain Sensitivity	0.2 mg/με
Noise	<1 mg
Output Impedance	<100 Ω
Operating Voltage	+3~+5 VDC
Operating Current	~0.75 mA
DC Bias Voltage	0.5 V
Case Isolation	----
Mounting	Glue or fixtures
Sensing Element	Piezoelectric Ceramics
Sensing Geometry	Shear
Case Material	Stainless steel
Weight	3.5 g
Output	pin:1, ground; 2, power +; 3, output
Accessories	
certificate	Calibration parameter,



Dimensions



Temperature Response



Frequency Response

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