



Capacitance Accelerometer

Model: CA-DR-050

Manufacturer: Sinocera Piezotronics Inc.

Distributor: LABSEN

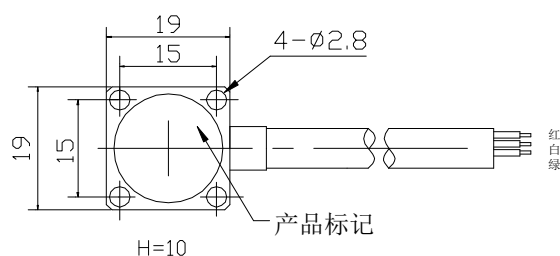
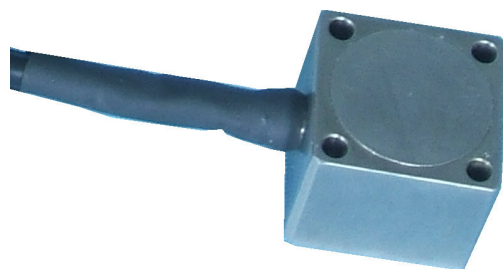


Features:

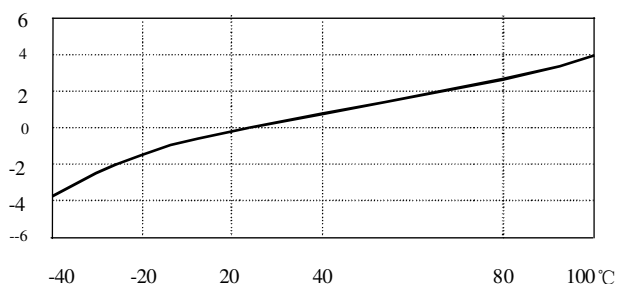
- Differential capacitance working principle
- Wide frequency range from DC to 400Hz
- Stable performance, convenient in use

Specifications:

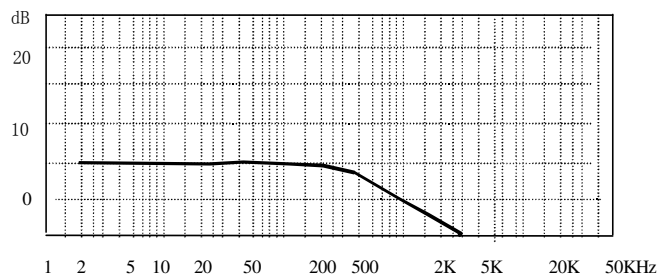
Axial Sensitivity	~ 38mV/g±10%
Measurement Range(peak)	±50g
Transverse Sensitivity	≤5 %
Non-linearity	≤0.5%
Frequency Response(-3dB)	0 ~ 400 Hz
Resonant Frequency	5.5 , 000Hz
Temperature Response	Refer to the temp. curve
Operating Temp. Range	-40 ~ +85 °C
Temperature Sensitivity	0.8 %/°C
Shock Limit (No power supply)	500g
Operating Voltage	+6 ~ +16 V(DC)
Operating Current	≤3mA
0g offset Voltage	2.5±0.1V
Noise (100Hz)	< 0.2 mV rms
Output impedance	< 100 Ω
Weight	20 g
Case material	Stainless Steel
Mounting	4-Φ2.8 hole
Output Cable	2m cable with 3-cores: Red: Vcc+, White: GND, Green: Signal
Accessories	
Sensor Certificate	Calibration parameter, frequency response
M2.5×15 bolt	4



Dimensions



Temperature Response Curve



Frequency Response Curve

LABSEN® - Laboratory and Sensor Technologies

25/15 Bellevue Terrace Street
Saint Lucia, QLD 4067, Australia

ABN 41 242 801 624
<http://labsentec.com.au>

Email: enquiry@labsentec.com.au
Phone: +61 468 468 988