

# SINOCERA Piezoelectric Accelerometer

(Miniature, Tri-axial, IEPE)

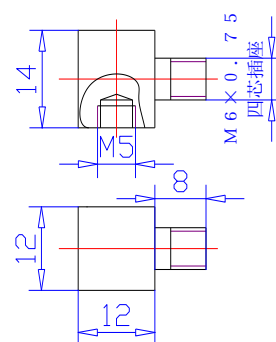
Model: CA-YD-3153

## Features:

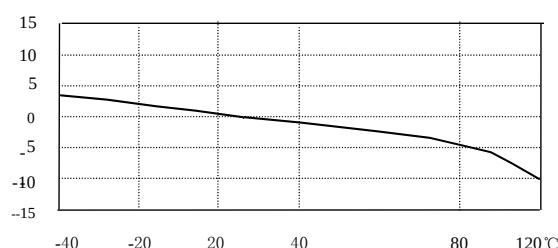
- Miniature, lightweight, 1/4-28 four-pin small socket output
- Tri-axial (X, Y, Z) output
- Wide frequency response, structural testing

## Specifications:

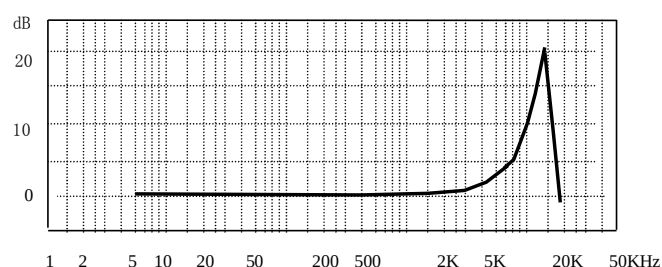
|                                                  |                                           |
|--------------------------------------------------|-------------------------------------------|
| Sensitivity(20±5℃)                               | ~1 mV/ g                                  |
| Measurement Range(pk)                            | 5,000 g                                   |
| Max Transverse Sensitivity                       | ≤5 %                                      |
| Frequency Response(±5%)                          | 1~ 8,000 Hz                               |
| Mounting Resonant Frequency                      | ~30,000 Hz                                |
| Operating Temp. Range                            | -40~+120 ℃                                |
| Temperature Response                             | See Graph                                 |
| Shock Limit(pk)                                  | 5000 g                                    |
| Max Output Signal(pk)                            | ≤5 V                                      |
| Noise                                            | <2 mg                                     |
| Output Impedance                                 | <100 Ω                                    |
| Operating Voltage(Constant current source)       | +18~+30 VDC                               |
| Operating Current                                | +2~+10 mA                                 |
| DC Bias Voltage                                  | 11±2 V                                    |
| Mounting                                         | M5                                        |
| Sensing Element                                  | Piezoelectric Ceramics                    |
| Sensing Geometry                                 | Shear                                     |
| Case Material                                    | LC4                                       |
| Weight                                           | 10 g                                      |
| Output                                           | X、Y、Z 4-pin                               |
| Accessories                                      |                                           |
| Certificate                                      | Calibration parameter, frequency response |
| M5 Stud, Protection cap                          | one                                       |
| 1/4-28, 4-pin Plug, one end free, RVVP cable(2m) | one                                       |



Dimensions



Temperature Response



Frequency Response