



SINOCERA

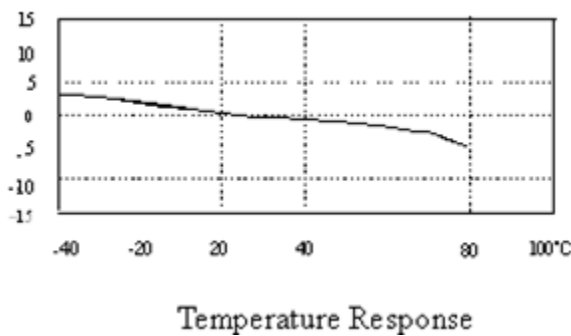
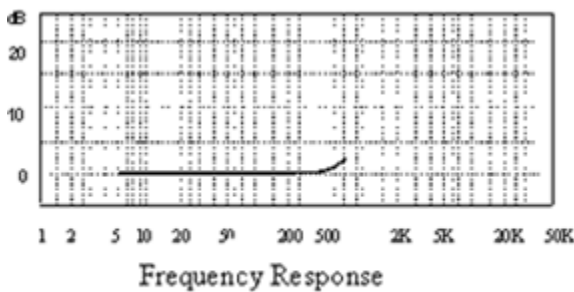
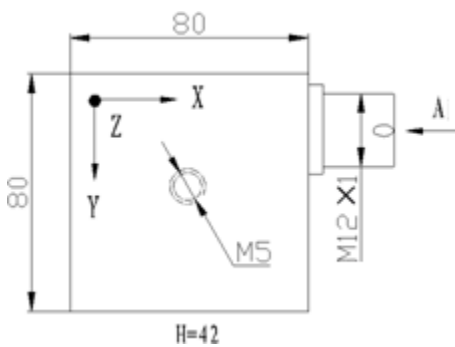


Global Sensor Technology

Piezoelectric Accelerometer (Tri-axial,IEPE,Low Frequency) Model: CA-YD-100

FEATURES

- Built-in IEPE pre-amplifier
- Suitable for Low vibration, low frequency measurement
- Tri-axial (X , Y , Z)
- Temperature compensation



| | |
|---|---------------------------------------|
| Axial Sensitivity (20±5°C) | 500mV/ g (X,Y,Z) |
| Measurement Range (peak) | 10 g |
| Transverse Sensitivity | ≤5 % |
| Frequency Response (0.5dB) | 0.3 to 300 Hz |
| Mounting Resonance Frequency | 1000 Hz |
| Temperature Response | Refer to the temp. curve |
| Polarity | Positive |
| Operating Temp. Range | -20 to +80 °C |
| Shock Limit(±peak) | 50g |
| Operating Voltage (constant-current source) | +18 to +28 V (DC) |
| Operating Current | +2 to +10 mA |
| Output Signal (peak) | ≤6V |
| Noise (1 to 20kHz) | <0.08mg |
| Base Strain Sensitivity | 2mg /µε |
| Magnetic Sensitivity | 1g/ T |
| Thermal Transient Sensitivity | 20mg/°C (0.3Hz) |
| Output Impedance | <100 Ω |
| DC Offset Voltage | 12±2 V |
| Weight | 1000 g |
| Case Material | LC4 |
| Mounting Method | M5 |
| Sensing Element | PZT-5 |
| Structural Design | Temperature compensation; compression |
| Output Type | 4-pins socket |
| Sensor Certificate | one |
| M5 screw, Protection cap | one |
| Output cable | one |