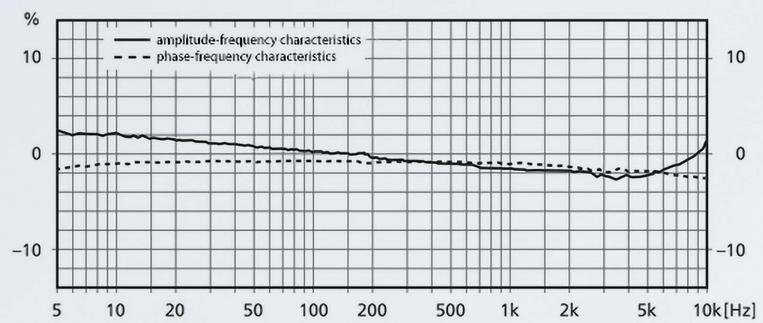
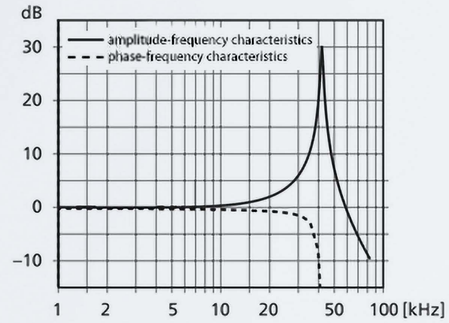
# Piezoelectric Voltage output type (IEPE) accelerometer

General-purpose tri-axial accelerometer　Model：U328E.2

| PERFORMANCE | ENGLISH | SI |
|---|---|---|
| sensitivity（±10%） | 20 mV/g | 2.04 mV/(m/s²) |
| measuring range | ±250 g pk | ±2,450 m/s² pk |
| frequency range(±5%)【2】 | 1～10k Hz | 1～10k Hz |
| frequency range(±10%)【2】 | 0.5~12k Hz | 0.5~12k Hz |
| resonance frequency【1】 | >60K | >60K |
| non-linearity【3】 | ⩽1% | ⩽1% |
| transverse sensitivity | ⩽5% | ⩽5% |
| resolution ratio | 0.0005g rms | 0.005 m/s² rms |
| Environmental character | | |
| overload limit | ±2000 g pk | ±19,600 m/s² pk |
| temperature range | -67～+248 ℉ | -55～+120 ℃ |
| Electrical character | | |
| excitation voltage 【4】 | +18~+30 VDC | +18~+30 VDC |
| excitation current【5】 | 2~20 mA | 2~20 mA |
| bias voltage【1】 | 11V±1.5V | 11V±1.5V |
| electrical isolation | - | - |
| output polarity【1】 | positive | positive |
| physical character | | |
| sensing geometry | ceramic | ceramic |
| structure mode | shear | shear |
| housing material | Titanium | Titanium |
| sealing mode | laser welding | laser welding |
| dimension | 0.55×0.55×0.33 in | 14×14×8.5 mm |
| weight【1】 | 0.21 oz | 6 g |
| electrical connector | 1/4-28 4-pin | 1/4-28 4-pin |
| electrical connection location | - | - |
| mounting | Φ3 through hole | Φ3 through hole |

TYPICAL FREQUENCY RESPONSE：



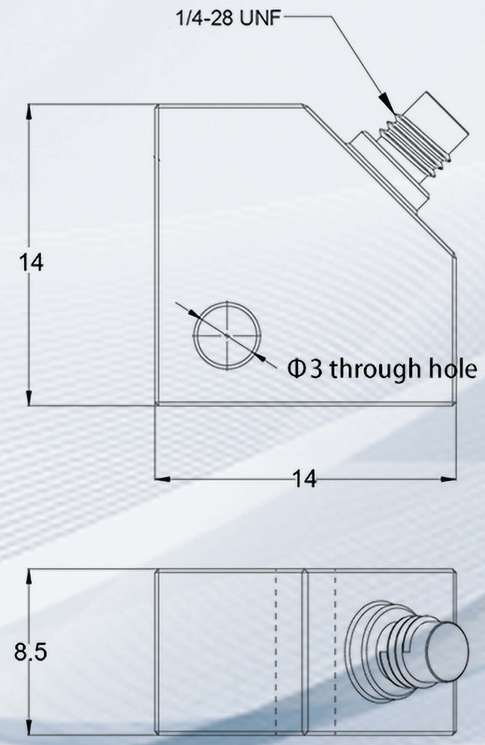

NOTE：

［1］ Inherent characteristics

［2］ The low frequency response is determined by the external signal conditioner

［3］ least square method

［4］ two-wire constant current incentive source power supply,recommened 24V.

［5］ excitation current recommened 4mA.

DRAWING：