

E571A1 Accelerometer

Description

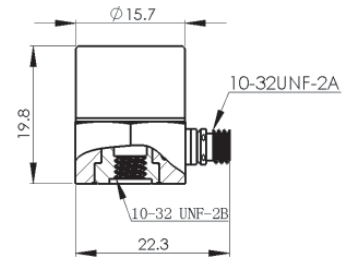
- E571A1 is a wide Working temperature piezoelectric accelerometer and its sensitive element is piezo-crystal in compressed mode
- Long stability of sensitivity, signal ground is isolated from the outer case
- E571A1 Adopts 10-32 side-connector, Equipped with one low-noise, wide-temperature coaxial cable

Characteristics

- Passive, charge output
- vibration measurement at cryogenic temperature
- Hermetically sealed
- Signal return isolated from case
- Continuous working temperature $-200^{\circ}\text{C} \sim +260^{\circ}\text{C}$
- Side-connector



Dynamic Characteristics	
Sensitivity($\pm 10\%$)	11pC/g
Non-linearity	$\leq 3\%$
Frequency response ($\pm 5\%$)	2 ~ 4,000Hz
Resonant frequency	27kHz
Transverse Sensitivity	$\leq 3\%$
Electrical Characteristics	
Excitation voltage	Passive
Resistance	$\geq 10\text{G}\Omega$
+260°C	$\geq 10\text{M}\Omega$
Insulation Resistance	1GΩ
Capacitance	2000pF
Grounding	Signal return is isolated from case
Environmental characteristics	
Working temperature	$-200^{\circ}\text{C} \sim +260^{\circ}\text{C}$
Vibration limit	1000 g pK
Shock limit	10000 g pK
Humidity	Hermetically sealed
Base strain Sensitivity	0.002 g pK/ μ Strain
Physical characteristics	
Weight	25grams
Case material	Stainless steel
Mounting Torque	2Nm



- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.