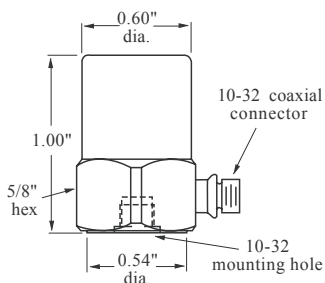


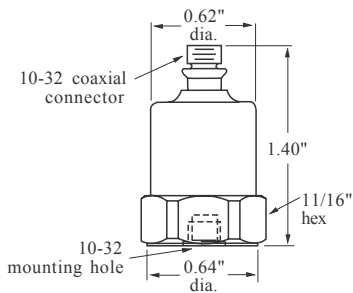
## Model 728A/728T High sensitivity, low-noise accelerometers

### Features

- Wide frequency range
- Low noise floor
- Hermetically sealed
- Temperature compensated
- Wide dynamic range
- Small size, light weight
- Miswiring protection



**Model 728A**



**Model 728T**

### Dynamic

Sensitivity, $\pm 5\%$ , 25 °C .....	500 mV/g
Acceleration range .....	15 g peak
Amplitude nonlinearity.....	1 %
Frequency response	
$\pm 5\%$ .....	3 - 5,000 Hz
$\pm 3$ dB .....	1 - 10,000 Hz
Resonance frequency, mounted, nominal.....	24 kHz
Transverse sensitivity, max.....	7 % of axial
Temperature response:	
-50°C .....	- 10%
+120°C .....	- 5%

### Electrical

Power requirement: voltage source.....	18 - 30 VDC
current regulating diode .....	2 - 10 mA
Electrical noise, equiv. g, nominal:	
Broadband 2.5 Hz to 25 kHz.....	30 $\mu$ g
Spectral 10 Hz .....	5.0 $\mu$ g/√Hz
100 Hz .....	0.4 $\mu$ g/√Hz
1000 Hz .....	0.1 $\mu$ g/√Hz
Output impedance, max. ....	100 $\Omega$
Bias output voltage, nominal.....	10 VDC

Grounding 728A .....	case grounded
728T .....	base isolated

### Environmental

Temperature range .....	-50 to 120 °C
Vibration limit.....	250 g peak
Shock limit .....	2500 g peak
Electromagnetic sensitivity @ 60 Hz.....	20 $\mu$ g/gauss
Base strain sensitivity.....	0.002 g/ $\mu$ strain

### Physical

Weight .....	.44 grams
Case material.....	stainless steel
Mounting .....	10-32 tapped hole
Output connector.....	10-32 coaxial
Cabling: Mating connector .....	R1 (10-32co-axial)
Standard cable .....	J93, coaxial, Teflon® jacket, 30 pF/ft

Accessories supplied: SF1 mounting stud, calibration date (Level 3)

Accessories available: R1-2-J93-10 cable assembly, magnetic mounting bases, SF5 cementing studs, SF4 isolation mounting base, signal conditioners