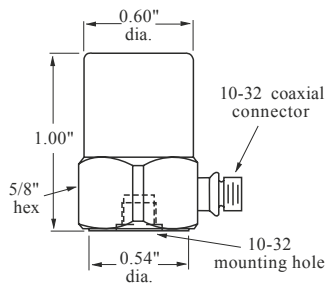


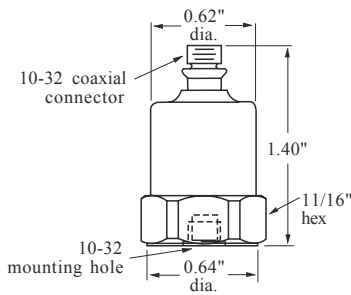
Model 728A/728T High sensitivity, low-noise accelerometers

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
± 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 μ g
Spectral	
10 Hz	5.0 μ g/ \sqrt Hz
100 Hz	0.4 μ g/ \sqrt Hz
1000 Hz	0.1 μ g/ \sqrt Hz
Output impedance, max.	100 Ω
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 μ g/gauss
Base strain sensitivity	0.002 g/ μ 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