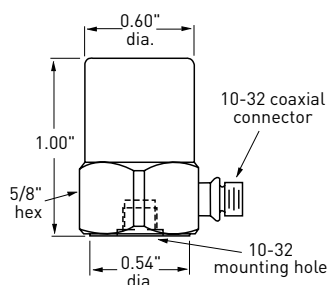


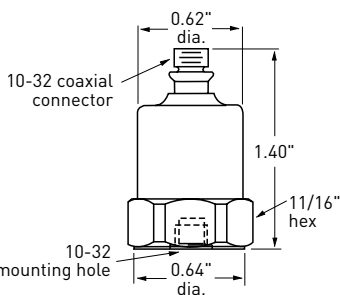
Model 728A/728T High sensitivity, low-noise accelerometers

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/√Hz
100 Hz	0.4 μ g/√Hz
1000 Hz	0.1 μ g/√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	Wilcoxon 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

ALTHEN reserves the right to vary the foregoing details without prior notice



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