



## General application accelerometer

### Dynamic

Sensitivity, $\pm 10\%$ , 25°C.....	250 mV/g
Acceleration range .....	20 g peak
Amplitude nonlinearity.....	1%
Frequency response:	
$\pm 5\%$ .....	3 - 5,000 Hz
$\pm 1$ dB.....	1 - 10,000 Hz
$\pm 3$ dB.....	0.4 - 14,000 Hz
Resonance frequency.....	32 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response:	
-50°C.....	-10%
+120°C.....	+10%

### Features

- Rugged design
- Corrosion resistant
- Hermetic seal
- Case isolated
- ESD protection
- Reverse wiring protection

### Electrical

Power requirement: voltage source .....	18 - 30 VDC
current regulating diode .....	2 - 10 mA
Electrical noise, Broadband Spectral(g):	
2.5 Hz to 25 kHz.....	400 $\mu$ g
10 Hz.....	8 $\mu$ g/ $\sqrt$ Hz
100 Hz.....	4 $\mu$ g/ $\sqrt$ Hz
1000 Hz.....	2 $\mu$ g/ $\sqrt$ Hz
Output impedance, max.....	100 $\Omega$
Bias output voltage.....	12 VDC
Grounding.....	case isolated, Internally shielded

### Environmental

Temperature range.....	-50 to 120°C
Vibration limit.....	500 g peak
Shock limit.....	5,000 g peak
Electromagnetic sensitivity, equiv g, max .....	70 $\mu$ g/gauss
Sealing .....	Hermetic
Base strain sensitivity, max.....	0.0002 g/ $\mu$ strain

### Physical

Sensing element design.....	PZT ceramic/shear
Weight.....	80 grams
Case material.....	304L stainless steel
Mounting.....	1/4 - 28 UNF
Output connector.....	2 pin, MIL-C-5015
Mating connector.....	R6 type
Recommended cabling.....	J10 / J9T2A

### Accessories

1/4-28 to 1/4-28 mounting stud (or customers specified)  
Calibration certificate

### Ordering Information

