

**Performance**

Voltage Sensitivity ( $\pm 10\%$ )  
Measurement Range  
Frequency Range ( $\pm 5\%$ )  
Frequency Range ( $\pm 10\%$ )  
Frequency Range ( $\pm 3\text{ dB}$ )  
Resonant Frequency  
Broadband Resolution (1 to 10000 Hz)  
Non-Linearity  
Transverse Sensitivity

**ENGLISH**

1000 mV/g  
 $\pm 5\text{ g pk}$   
0.06 to 450 Hz  
0.05 to 750 Hz  
0.02 to 1700 Hz  
 $\geq 2.5\text{ kHz}$   
0.000003 g rms  
 $\leq 1\%$   
 $\leq 5\%$

**SI**

102 mV/(m/s<sup>2</sup>)  
 $\pm 49\text{ m/s}^2\text{ pk}$   
0.06 to 450 Hz  
0.05 to 750 Hz  
0.02 to 1700 Hz  
 $\geq 2.5\text{ kHz}$   
0.00003 m/s<sup>2</sup> rms  
 $\leq 1\%$   
 $\leq 5\%$

**Notes**

[1]  
[2]  
[3]

**Environmental**

Overload Limit (Shock)  
Temperature Range (Operating)  
Temperature Response  
Base Strain Sensitivity

$\pm 300\text{ g pk}$   
-15 to +176 °F  
See Graph  
 $\leq 0.0005\text{ g}/\mu\epsilon$

$\pm 2950\text{ m/s}^2\text{ pk}$   
-26 to +80 °C  
See Graph  
 $\leq 0.005\text{ (m/s}^2)/\mu\epsilon$

[1]

**Electrical**

Excitation Voltage  
Constant Current Excitation  
Output Impedance  
Output Bias Voltage  
Discharge Time Constant  
Settling Time (within 10 % of bias)  
Spectral Noise (1 Hz)  
Spectral Noise (10 Hz)  
Spectral Noise (100 Hz)  
Spectral Noise (1 kHz)

18 to 30 VDC  
2 to 20 mA  
< 500 Ohms  
7 to 12 VDC  
5 to 15 s  
< 100 s  
0.30  $\mu\text{g}/\sqrt{\text{Hz}}$   
0.10  $\mu\text{g}/\sqrt{\text{Hz}}$   
0.04  $\mu\text{g}/\sqrt{\text{Hz}}$   
0.04  $\mu\text{g}/\sqrt{\text{Hz}}$

18 to 30 VDC  
2 to 20 mA  
< 500 Ohms  
7 to 12 VDC  
5 to 15 s  
< 100 s  
2.9  $(\mu\text{m/s}^2)/\sqrt{\text{Hz}}$   
1.0  $(\mu\text{m/s}^2)/\sqrt{\text{Hz}}$   
0.4  $(\mu\text{m/s}^2)/\sqrt{\text{Hz}}$   
0.4  $(\mu\text{m/s}^2)/\sqrt{\text{Hz}}$

[1]  
[1]  
[1]  
[1]

**Physical**

Sensing Element  
Sensing Geometry  
Housing Material  
Sealing  
Size (Diameter x Height)  
Weight  
Electrical Connector  
Electrical Connector Position  
Mounting Thread

Ceramic  
Flexural  
Titanium  
Hermetic  
0.99 x 1.22 in  
1.8 oz  
10-32 Coaxial Jack  
Top  
10-32 Female

Ceramic  
Flexural  
Titanium  
Hermetic  
25 x31 mm  
50 gm  
10-32 Coaxial Jack  
Top  
10-32 Female

[1]



**Notes**

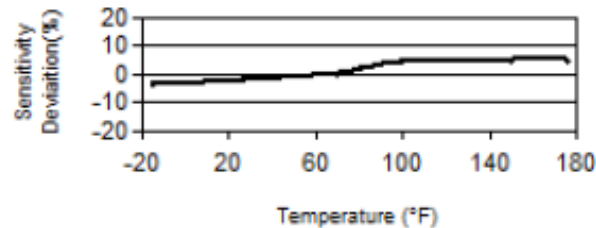
[1] Typical  
[2] Zero-based, least-square, straight line method  
[3] Transverse sensitivity is typically  $\leq 3\%$

**Supplied Accessories**

NIST Traceable Calibration Certificate  
Model 081B05 Mounting Stud, 10-32 to 10-32 (1)  
Model 085A41 Thermal Boot (1)  
Model M081B05 Mounting Stud, 10-32 to M6 x 0.75 (1)



Typical Sensitivity Deviation vs Temperature



All specifications are at room temperature unless otherwise specified  
In the interest of constant product improvement, we reserve the right to change specifications without notice.  
ICP® is a registered trademark of PCB Piezotronics, Inc.



3425 Walden Ave  
Depew, NY 14043  
www.LarsonDavis.com