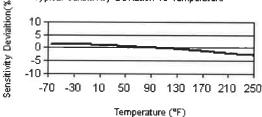
ICP® ACCELERO
SI
0.51 mV/(m/s²)
± 9810 m/s ² pk
1 to 10,000 Hz
0.7 to 18,000 Hz
0.35 to 30,000 Hz
≥ 70 kHz
0.1 m/s² rms [1]
≤ 1 % [2]
≤ 5 % [3]
± 98,100 m/s ² pk
-54 to +121 °C
See Graph [1]
$\leq 0.05 (\text{m/s}^2)/\mu\epsilon$ [1]
18 to 30 VDC
2 to 20 mA
≤ 100 ohm
8 to 12 VDC
0.5 to 2.0 sec
<5 sec
62,784 (µm/sec ²)/√Hz [1]
13,734 (µm/sec ²)/√Hz [1]
3532 (µm/sec²)/√Hz [1]
1256 (µm/sec²)/√Hz [1]
1256 (µm/sec=)/NH2 [1]
Quartz
Shear
Titanium Welded Hermetic

9/32 in x 18.8 mm
1.8 gm [1]
10-32 Coaxial Plug
Тор
5-40 Male
90 to 135 N-cm vity Deviation vs Temperature
tin

ICP® is a registered trademark of PCB Group, Inc.



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.

ROMETER

OPTIONAL VERSIONS

Revision: K

ECN #: 31827

[5]

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

Supplied Accessory: Model 080A90 Quick Bonding Gel (1)

B - Low bias electronics

A - Adhesive Mount

Output Bias Voltage 4.5 to 7.5 VDC 4.5 to 7.5 VDC Excitation Voltage 12 to 30 VDC 12 to 30 VDC Constant Current Excitation 1 to 20 mA 1 to 20 mA Measurement Range ± 600 g pk ± 5886 m/s² pk

J - Ground Isolated

Frequency Range(± 5 %) 1 to 8000 Hz 1 to 8000 Hz Frequency Range(± 10 %) 0.7 to 15.000 Hz 0.7 to 15.000 Hz Resonant Frequency ≥ 56 kHz ≥ 56 kHz Electrical Isolation(Base) $\geq 10^8$ ohm $\geq 10^8$ ohm Size - Hex x Height 3/8 in x 0.82 in 3/8 in x 20.8 mm Weight 0.10 oz 3.0 gm

M - Metric Mount

Mounting Thread M3 x 0.50 Male M3 x 0.50 Male Supplied Accessory: Model M080A15 Adhesive Mounting Base (1) replaces Model 080A15

Q - Extended discharge time constant

Frequency Range(± 5 %) 0.15 to 10,000 Hz 0.15 to 10,000 Hz Frequency Range(± 10 %) 0.1 to 18,000 Hz 0.1 to 18,000 Hz Discharge Time Constant >5 sec >5 sec Settling Time(within 10% of bias) 45 sec 45 sec Supplied Accessory: Model ACS-97 Single axis, low frequency phase and amplitude response cal from 1 to 10 Hz (1)

W - Water Resistant Cable

Electrical Connector Sealed Integral Cable Sealed Integral Cable **Electrical Connection Position** Top Top

NOTES:

- [1] Typical.
- [2] Zero-based, least-squares, straight line method.

[3] Transverse sensitivity is typically ≤ 3%.

[4] See PCB Declaration of Conformance PS023 for details.

[5] Adhesive mounting base is not required. "Quick Bonding Gel" has maximum temperature range of 180 ° F (82°C),

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)

Model 080A15 Adhesive Mounting Base (1)

Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Engineer: RAM Entered: Sales: \u/n/ Approved: //K Spec Number: Date: Date: Date: 353-2140-80 Date:



Phone: 716-684-0001 Fax: 716-685-3886

E-Mail: vibration@pcb.com