

Model Number
626A04

SEISMIC ICP® ACCELEROMETER

Revision: C
ECN #: 28854

Performance

Sensitivity(± 5%)
Measurement Range
Frequency Range(± 5%)
Frequency Range(± 10%)
Frequency Range(± 3 dB)
Resonant Frequency
Broadband Resolution(1 to 10,000 Hz)
Non-Linearity
Transverse Sensitivity

Environmental
Overload Limit(Shock)
Temperature Range
Temperature Response

Electrical

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

Physical

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

ENGLISH

10 V/g
± 0.5 g
6 to 12,000 cpm
4 to 18,000 cpm
2 to 30,000 cpm
60 kcpm
0.5 µg
± 1 %
≤ 5 %
± 40 g
0 to +150 °F
See Graph

24 to 28 VDC
2 to 10 mA
<500 ohm
8 to 12 VDC
≥ 5 sec
≤ 5 min
0.06 µg/√Hz
0.02 µg/√Hz
0.01 µg/√Hz
>10⁸ ohm
RFI/ESD

Ceramic
Flexural
Stainless Steel
Welded Hermetic
2-1/4 in x 2.8 in
22 oz
Top
2-Pin MIL-C-5015
1/4-28 Female
2 to 5 ft-lb

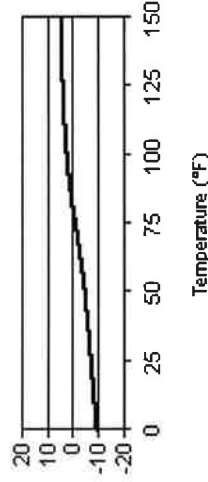
SI

1.02 V/(m/s²)
± 4.9 m/s²
0.1 to 200 Hz
0.07 to 300 Hz
0.04 to 500 Hz
1 kHz
5.0 µm/s²
± 1 %
≤ 5 %
± 392 m/s²
-18 to +65 °C
See Graph

24 to 28 VDC
2 to 10 mA
<500 ohm
8 to 12 VDC
≥ 5 sec
≤ 5 min
0.60 (µm/s²)/√Hz
0.20 (µm/s²)/√Hz
0.10 (µm/s²)/√Hz
>10⁸ ohm
RFI/ESD

Ceramic
Flexural
Stainless Steel
Welded Hermetic
57.2 mm x 53.3 mm
624 gm
2-Pin MIL-C-5015
Top
No Metric Equivalent
2.7 to 6.8 N-m

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.
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OPTIONAL VERSIONS

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

M - Metric Mount

Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 replaces Model 081A40

NOTES:

- [1] Typical value.
- [2] Conversion Factor 1g = 9.81 m/s².
- [3] 1Hz = 60 cpm (cycles per minute).
- [4] The high frequency tolerance is accurate within ±10% of the specified frequency.
- [5] Zero-based, least-squares, straight line method.
- [6] 1/4-28 has no equivalent in S.I. units.
- [7] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 081A40 Mounting Stud (1)
Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency

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