

CHARGE OUTPUT ACCELEROMETER

Performance
Sensitivity (± 15 %)
Measurement Range
Frequency Range(+5 %)
Frequency Range(+10 %)
Resonant Frequency
Non-Linearity
Transverse Sensitivity

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

Electrical
Capacitance
Insulation Resistance(at 70° F [21°C])
Output Polarity
Electrical Isolation(Base)

Physical
Sensing Element
Sensing Geometry
Housing Material
Sealing
Size (Height x Length x Width)
Weight
Electrical Connector
Electrical Connection Position
Mounting

ENGLISH
17 pC/g
± 500 g pk
10 kHz
12 kHz
≥ 35 kHz
≤ 1 %
≤ 5 %

± 5000 g pk
-65 to +350 °F
See Graph
≤ 0.05 g/μe

1600 pF
>10¹¹ ohm
Negative
>10⁸ ohm

Ceramic
Shear
Titanium
Welded Hermetic
0.40 in x 0.95 in x 0.63 in
0.35 oz
10-32 Coaxial Jack
Side
Through Hole

1.7 pC/(m/s²)
± 4900 m/s² pk
10 kHz
12 kHz
≥ 35 kHz
≤ 1 %
≤ 5 %

± 49,050 m/s² pk
-54 to +177 °C
See Graph
≤ 0.49 (m/s²)/μe

1600 pF
>10¹¹ ohm
Negative
>10⁸ ohm

Ceramic
Shear
Titanium
Welded Hermetic
10.2 mm x 24.1 mm x 16.0 mm
10-32 Coaxial Jack
Side
Through Hole

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.

A - Adhesive Mount
Supplied Accessory : Model 080A110 High Temperature Adhesive (1)

M - Metric Mount
Supplied Accessory : Model M039A22 Allen wrench for use with M3 thread (1) replaces Model 039A22
Supplied Accessory : Model M081B45 off ground screw assembly (1) replaces Model 081B45

P - Positive Output Polarity
Output Polarity Positive

W - Water Resistant Cable
Electrical Connector Sealed Integral Cable
Electrical Connection Position Side

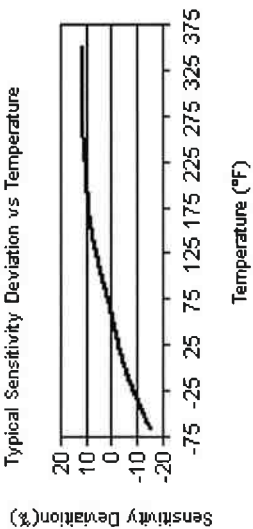
NOTES:
(1) Typical.
(2) Low frequency response is determined by external signal conditioning electronics.
(3) Zero-based, least-squares, straight line method.
(4) Transverse sensitivity is typically ≤ 3%.

SUPPLIED ACCESSORIES:
Model 039A22 Allen wrench, 7/64" hex (1)
Model 080A109 Petro Wax (1)
Model 081B45 off ground screw assembly (1)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).

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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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