

Model Number

357B69

CHARGE OUTPUT ACCELEROMETER

Revision: D

ECN #: 42451

Performance

Sensitivity($\pm 20\%$)
 Measurement Range
 Frequency Range($\pm 5\%$)
 Resonant Frequency
 Non-Linearity
 Transverse Sensitivity

ENGLISH

3.5 pC/g
 ± 500 g pk
 6000 Hz
 ≥ 35 kHz
 $\leq 1\%$
 $\leq 5\%$

SI

.357 pC/(m/s²)
 ± 4905 m/s² pk
 6000 Hz
 ≥ 35 kHz
 $\leq 1\%$
 $\leq 5\%$

Environmental

Overload Limit(Shock)
 Temperature Range
 Temperature Response
 Temperature Response
 Temperature Response

± 3000 g pk
 -65 to +900 °F
 See Graph
 See Graph
 See Graph

[1]

Base Strain Sensitivity

0.002 g/ $\mu\epsilon$ 0.02 (m/s²)/ $\mu\epsilon$

[1]

Radiation Exposure Limit(Integrated Neutron Flux)

1E10 N/cm²1E10 N/cm²

Radiation Exposure Limit(Integrated Gamma Flux)

1E8 rad

1E8 rad

Electrical

Capacitance
 Insulation Resistance(at 900°F [482°C])
 Insulation Resistance(at 70° F [21°C])

275 pF
 >100 kohm
 >1 GOhm
 Negative
 Negative

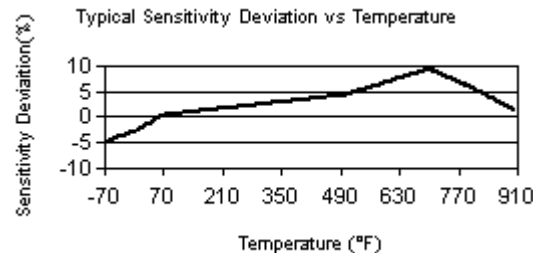
[1]

Physical

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

Compression
 Inconel
 Hermetic
 .875 in x .45 in
 0.56 oz
 10-32 Coaxial Jack
 Side
 10-32 Female
 18 in-lb
 Compression
 Inconel
 Hermetic
 22.2 mm x 11.4 mm
 16 gm
 10-32 Coaxial Jack
 Side
 10-32 Female
 2 Nm

[1]



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.

P - Positive Output Polarity

NOTES:

[1] Typical.

SUPPLIED ACCESSORIES:

Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)
 Model 081A107 Mounting stud (10-32 to 10-32) (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)

Entered: AP	Engineer: JJD	Sales: WDC	Approved: NJF	Spec Number:
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PCB PIEZOTRONICS[™]
 3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com