

Model Number 357B69	CHARGE OUTPUT ACCELEROMETER	Revision: E ECN #: 46956
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	<u>ENGLISH</u>	<u>SI</u>
Performance		
Sensitivity(± 20 %)	3.5 pC/g	.357 pC/(m/s ²)
Measurement Range	± 500 g pk	± 4905 m/s ² pk
Frequency Range(± 5 %)	6 kHz	6 kHz
Resonant Frequency	≥ 35 kHz	≥ 35 kHz
Non-Linearity	≤ 1 %	≤ 1 %
Transverse Sensitivity	≤ 5 %	≤ 5 %
Environmental		
Overload Limit(Shock)	± 3000 g pk	± 29,420 m/s ² pk
Temperature Range	-65 to +900 °F	-54 to +482 °C
Temperature Response	See Graph	See Graph
Base Strain Sensitivity	0.002 g/με	0.02 (m/s ²)/με
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm ²	1E10 N/cm ²
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad
Electrical		
Capacitance	275 pF	275 pF
Insulation Resistance(at 900°F [482°C])	>100 kohm	>100 kohm
Insulation Resistance(at 70° F [21°C])	>1 GOhm	>1 GOhm
Output Polarity	Negative	Negative
Physical		
Sensing Geometry	Compression	Compression
Housing Material	Inconel	Inconel
Sealing	Hermetic	Hermetic
Size (Height x Diameter)	.875 in x .45 in	22.2 mm x 11.4 mm
Weight	0.56 oz	16 gm
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack
Electrical Connection Position	Side	Side
Mounting Thread	10-32 Female	10-32 Female
Mounting Torque	18 in-lb	2 Nm

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

Output Polarity	Positive	Positive
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NOTES:

[1] Typical.
[2] See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

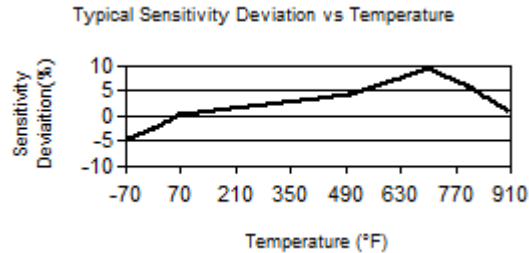
Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)
 Model 081A107 Mounting stud (10-32 to 10-32) (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)

Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:
Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	34008



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All specifications are at room temperature unless otherwise specified.
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