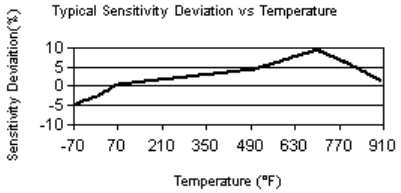
Model Number **357B69**	**CHARGE OUTPUT ACCELEROMETER**	Revision B ECN #: 35386

Performance	**ENGLISH**	**SI**	
Sensitivity (±10 %)	3.5 pC/g	.357 pC/(m/s²)	
Measurement Range	±500 g pk	±2450 m/s² pk	
Frequency Range (±5 %)	6 kHz	6000 Hz	
Resonant Frequency	≥35 kHz	≥35 kHz	
Non-Linearity	≤1 %	≤1 %	
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±3000 g pk	±29420 m/s² pk	
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.0008 g/με	0.008 (m/s²)/με	[1]
Radiation Exposure Limit (Integrated Neutron Flux)	1E10 N/cm²	1E10 N/cm²	
Radiation Exposure Limit (Integrated Gamma Flux)	1E8 rad	1E8 rad	
Electrical			
Capacitance	196 pF	196 pF	[1]
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	[1]
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 N-m	



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 standard model except where noted below. More than one option maybe used.)

P - Positive Output Polarity

Output Polarity	Positive	Positive

Notes

[1] Typical.

Supplied Accessories

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

Entered: DMW	Engineer: SPW	Sales: RWM	Approved: EB	Spec Number:
Date: 03/31/2011	Date: 03/31/2011	Date: 03/31/2011	Date: 03/31/2011	**34008**

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