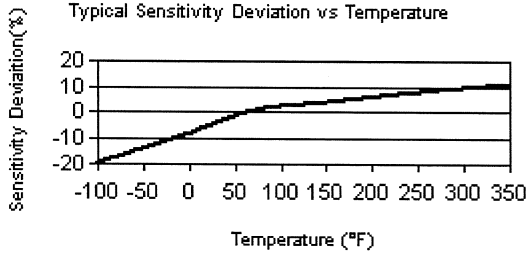
Model Number	CHARGE OUTPUT ACCELEROMETER	Revision: B
357B45		ECN #: 21407

Performance	ENGLISH	SI	
Sensitivity (± 20 %)	2.6 pC/g	0.26 pC/(m/s^2)	
Measurement Range	± 500 g pk	± 4905 m/s^2 pk	
Frequency Range (+5 %)	8 kHz	8 kHz	[2]
Frequency Range (+10 %)	10 kHz	10 kHz	[2]
Resonant Frequency	≥ 30 kHz	≥ 30 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit (Shock)	± 5000 g pk	± 49,050 m/s^2 pk	
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Temperature Response	See Graph	See Graph	
Electrical			
Capacitance	240 pF	240 pF	[1]
Insulation Resistance	>10^{10} ohm	>10^{10} ohm	[1]
Output Polarity	Negative	Negative	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.38 in x 0.38 in	9.7 mm x 9.7 mm	
Weight	0.10 oz	2.8 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting	Adhesive	Adhesive	



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

Output Polarity	Positive	Positive

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 080A109 Petro Wax (1)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Model ACS-30 Single-axis extended amplitude response, upper 5% point to 10 kHz (requires ACS-1 or equivalent). (1)

Entered: BJS	Engineer: BMS	Sales: WJC	Approved: MB	Spec Number:
Date: 1-6-05	Date: 1/6/05	Date: 1/6/5	Date: 1/6/05	21612

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