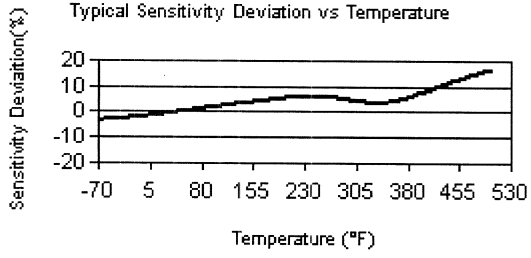
Model Number	CHARGE OUTPUT ACCELEROMETER	Revision: NR
357B83		ECN #:

Performance	ENGLISH	SI	
Sensitivity (± 5 %)	100 pC/g	10.2 pC/(m/s²)	
Measurement Range	± 500 g pk	± 4905 m/s² pk	
Frequency Range (± 5 %)	6 kHz	6 kHz	
Resonant Frequency	≥ 20 kHz	≥ 20 kHz	
Non-Linearity (500 g, 4900 m/s²)	≤ 1 %	≤ 1 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	[2]
Environmental			
Overload Limit (Shock)	± 1000 g pk	± 9810 m/s² pk	
Temperature Range (Operating)	-65 to 500 °F	-54 to 260 °C	
Temperature Range (Maximum)	550 °F	288 °C	
Base Strain Sensitivity	.001 g/με	.01 (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 (Pin to Pin)	10,000 pF	10,000 pF	[1]
Capacitance (Pin to Case)	30 pF	30 pF	[1]
Capacitance (Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance (Pin to Pin at 70°F [21°C])	≥ 1 Gohm	≥ 1 Gohm	
Insulation Resistance (Pin to Case at 70°F [21°C])	≥ 1 Gohm	≥ 1 Gohm	
Insulation Resistance (Pin to Pin at 500°F [260°C])	≥ 10 Mohm	≥ 10 Mohm	
Insulation Resistance (Pin to Case at 500°F [260°C])	≥ 50 Mohm	≥ 50 Mohm	
Output Polarity	Differential	Differential	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Height x Diameter)	1.00 in x .75 in	25.4 mm x 19 mm	
Weight (maximum)	1.75 oz	50 gm	[1]
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Mounting	Through Holes (3)	Through Holes (3)	



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.

NOTES:

[1] Typical.
[2] Transverse sensitivity is typically ≤ 3%.

SUPPLIED ACCESSORIES:

Model 081A99 Cap Screw (3)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: BLS	Engineer: BJR	Sales:	Approved:	Spec Number:
Date: 8/25/06	Date: 8/25/06	Date: 8/25/06	Date: 8/28/06	27809

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