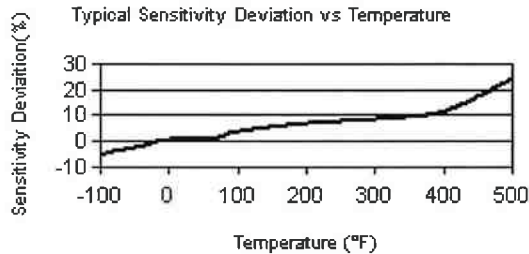


Model Number <b>357B11</b>	<b>CHARGE OUTPUT ACCELEROMETER</b>		Revision: N ECN #: 30143
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>
Sensitivity(± 10 %)	3.0 pC/g	0.31 pC/(m/s <sup>2</sup> )	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	± 2300 g pk	± 22,600 m/s <sup>2</sup> pk	<b>A - Adhesive Mount</b> [5] Supplied Accessory : Model 080A90 Quick Bonding Gel (1)
Frequency Range(+5 %)	12 kHz	12 kHz	[2]
Frequency Range(+10 %)	16 kHz	16 kHz	[2]
Frequency Range(+3 dB)	26 kHz	26 kHz	[2]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity(1700 g, 16700 m/s <sup>2</sup> )	≤ 1 %	≤ 1 %	[3]
Non-Linearity	≤ 2 %	≤ 2 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s <sup>2</sup> pk	
Temperature Range	-95 to +500 °F	-71 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.002 g/με	0.02 (m/s <sup>2</sup> )/με	[1]
<b>Electrical</b>			
Capacitance	485 pF	485 pF	[1]
Insulation Resistance(at 70° F [21°C])	>10 <sup>12</sup> ohm	>10 <sup>12</sup> ohm	[1]
Insulation Resistance(at 500°F)	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm	[1]
Output Polarity	Negative	Negative	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.28 in x 0.33 in	7.1 mm x 8.4 mm	[1]
Weight	0.071 oz	2.0 gm	[1]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting Thread	5-40 Male	5-40 Male	
Mounting Torque	4 to 5 in-lb	45 to 57 N-cm	
			<b>OPTIONAL VERSIONS</b>
			<b>J - Ground Isolated</b>
			Frequency Range(+5 %)
			Frequency Range(+10 %)
			Resonant Frequency
			Electrical Isolation(Base)
			Size - Hex x Height
			Weight
			<b>M - Metric Mount</b>
			Mounting Thread
			<b>P - Positive Output Polarity</b>
			Output Polarity
			<b>W - Water Resistant Cable</b>
			Electrical Connector
			Electrical Connection Position
			Cable Type
			<b>NOTES:</b>
			[1] Typical.
			[2] Low frequency response is determined by external signal conditioning electronics.
			[3] Zero-based, least-squares, straight line method.
			[4] Capacitance will vary based on cable length. Typical cable capacitance is 29 pF/ft (95 pF/m).
			[5] Adhesive mounting base is not required. "Quick Bonding Gel" has maximum temperature range of 180 ° F (82°C).
			<b>SUPPLIED ACCESSORIES:</b>
			Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
			Entered: BLS Engineer: JJB Sales: MDC Approved: EB Spec Number:
			Date: 2/24/09 Date: 2/18/09 Date: 2/11/09 Date: 2/23/09 1247
			<b>PCB PIEZOTRONICS™</b> VIBRATION DIVISION 3425 Walden Avenue, Depew, NY 14043
			Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com



All specifications are at room temperature unless otherwise specified.  
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