

Model Number	CHARGE OUTPUT ACCELEROMETER		Revision: C
357B06			ECN #: 30236
Performance	ENGLISH	SI	OPTIONAL VERSIONS
Sensitivity(± 20 %)	5 pC/g	0.51 pC/(m/s ²)	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	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(+5 %)	10 kHz	10 kHz	[4]
Frequency Range(+10 %)	15 kHz	15 kHz	[3][4]
Frequency Range(+3 dB)	25 kHz	25 kHz	[4][3]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[5]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[6]
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk	
Temperature Range	-65 to +500 °F	-54 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤ 0.05 g/με	≤ 0.5 (m/s ²)/με	[1]
Electrical			
Capacitance	700 pF	700 pF	[1]
Insulation Resistance(at 70° F [21°C])	>10 ¹¹ ohm	>10 ¹¹ ohm	
Output Polarity	Negative	Negative	
Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm	[2][3]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Height x Length x Width)	0.23 in x .65 in x 0.38 in	5.8 mm x 16.4 mm x 9.6 mm	[1]
Weight	0.08 oz	2.3 gm	
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	
<p>Typical Sensitivity Deviation vs Temperature</p>			
<p><i>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.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			
<p>NOTES:</p> <p>[1] Typical. [2] Only when using off ground washer. [3] When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points. [4] Low frequency response is determined by external signal conditioning electronics. [5] Zero-based, least-squares, straight line method. [6] Transverse sensitivity is typically ≤ 3%.</p>			
<p>SUPPLIED ACCESSORIES:</p> <p>Model 039A20 Allen wrench, 5/64" hex (1) Model 081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).</p>			
Entered: Jth	Engineer: BMM	Sales: WDC	Approved: EB
Date: 3/10/09	Date: 2/25/09	Date: 2/25/09	Date: 2/27/09
			Spec Number: 33408
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