

Model Number 357B54	CHARGE OUTPUT ACCELEROMETER			Revision: E ECN #: 46956										
Performance	ENGLISH	SI	OPTIONAL VERSIONS											
Sensitivity(± 15 %)	100 pC/g	10.2 pC/(m/s²)	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	± 150 g pk	± 1470 m/s² pk												
Frequency Range(+5 %)	3 kHz	3 kHz												
Frequency Range(+10 %)	3.5 kHz	3.5 kHz												
Frequency Range(+3 dB)	5.5 kHz	5.5 kHz												
Resonant Frequency	≥ 12 kHz	≥ 12 kHz												
Non-Linearity	≤ 1 %	≤ 1 %												
Transverse Sensitivity	≤ 5 %	≤ 5 %												
Environmental			NOTES: [1] Typical. [2] Low frequency response is determined by external signal conditioning electronics. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS160 for details.											
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s² pk												
Temperature Range	-95 to +550 °F	-71 to +288 °C												
Temperature Response	See Graph	See Graph												
Base Strain Sensitivity	0.0002 g/με	0.002 (m/s²)/με												
Radiation Exposure Limit(Integrated Gamma Flux)	≤ 10 ⁸ rad	≤ 10 ⁸ rad												
Radiation Exposure Limit(Integrated Neutron Flux)	≤ 10 ¹⁰ N/cm²	≤ 10 ¹⁰ N/cm²												
Electrical														
Capacitance	930 pF	930 pF												
Insulation Resistance(at 550°F)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm												
Insulation Resistance(at 70° F [21°C])	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm												
Output Polarity	Negative	Negative												
Electrical Isolation(Base)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm												
Physical														
Sensing Element	Ceramic	Ceramic												
Sensing Geometry	Shear	Shear												
Housing Material	Titanium	Titanium												
Sealing	Hermetic	Hermetic												
Size (Hex x Height)	3/4 in x 1.43 in	3/4 in x 36.3 mm												
Weight	1.80 oz	51 gm	[1]											
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack												
Electrical Connection Position	Top	Top												
Mounting Thread	10-32 Female	10-32 Female												
<div><div></div><div><p>Typical Sensitivity Deviation vs Temperature</p><p>Sensitivity Deviation(%)</p><p>Temperature (°F)</p></div></div>														
<div><div><p>SUPPLIED ACCESSORIES:</p><p>Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)</p></div><div><table><tr><td>Entered: LK</td><td>Engineer: BAM</td><td>Sales: WDC</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>30564</td></tr></table></div></div>					Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	30564
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<p>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. ICP® is a registered trademark of PCB Group, Inc.</p>			<div><p>3425 Walden Avenue, Depew, NY 14043</p></div> <div><p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p></div>											



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