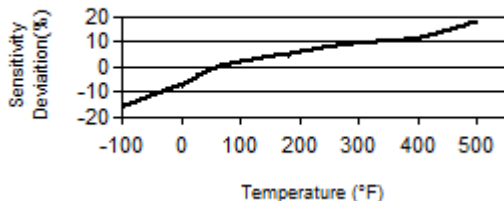


Model Number 357B54	CHARGE OUTPUT ACCELEROMETER			Revision: E ECN #: 46956		
Performance	ENGLISH	SI	OPTIONAL VERSIONS			
Sensitivity(± 15 %)	100 pC/g	10.2 pC/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one 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				
 [4] Typical Sensitivity Deviation vs Temperature 						
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.						
			SUPPLIED ACCESSORIES: 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)			
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		
 3425 Walden Avenue, Depew, NY 14043			Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com			