

Model Number 357A07	CHARGE OUTPUT ACCELEROMETER				Revision: B ECN #: 46956
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 20 %)	1.7 pC/g	0.17 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	± 2000 g pk	± 19,620 m/s ² pk		P - Positive Output Polarity	
Frequency Range(+5 %)	15 kHz	15 kHz	[2]	Output Polarity	Positive Positive
Frequency Range(+10 %)	20 kHz	20 kHz	[2]		
Resonant Frequency	≥ 60 kHz	≥ 60 kHz			
Non-Linearity	≤ 1 %	≤ 1 %	[3]		
Transverse Sensitivity	≤ 5 %	≤ 5 %			
Environmental				NOTES:	
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk		[1] Typical.	
Temperature Range	-100 to 500 °F	-73 to 260 °C		[2] Low frequency response is determined by external signal conditioning electronics.	
Temperature Range	-100 to +500 °F	-73 to +260 °C		[3] Zero-based, least-squares, straight line method.	
Temperature Response	See Graph	See Graph		[4] See PCB Declaration of Conformance PS081 for details.	
Base Strain Sensitivity	≤ 0.10 g/με	≤ 1.0 (m/s ²)/με	[1]		
Electrical					
Capacitance	340 pF	340 pF	[1]		
Insulation Resistance(at 70° F [21°C])	>10 ¹⁰ Ohm	>10 ¹⁰ Ohm			
Output Polarity	Negative	Negative			
Physical					
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear	Shear			
Housing Material	Titanium	Titanium			
Sealing	Hermetic	Hermetic			
Size (Height x Length x Width)	0.195 in x 0.420 in x 0.250 in	4.9 mm x 10.7 mm x 6.4 mm			
Weight	0.03 oz	0.96 gm	[1]		
Electrical Connector	M3 Coaxial Jack	M3 Coaxial Jack			
Electrical Connection Position	Side	Side			
Mounting	Adhesive	Adhesive			
	Typical Sensitivity Deviation vs Temperature Sensitivity Deviation(%) Temperature (°F)				
	SUPPLIED ACCESSORIES: Model 030B10 Miniature low-noise PTFE cable, 10-ft, M3 plug to 10-32 plug (1) Model 039A28 Removal Tool (1) Model 080A109 Petro Wax (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (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	37604
CE_[4] 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.			PCB PIEZOTRONICS™ 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com		