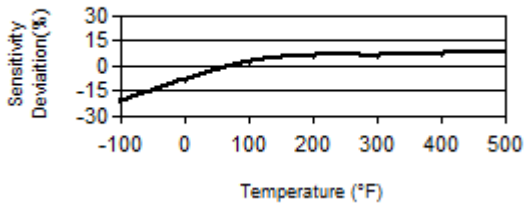
Model Number	CHARGE OUTPUT ACCELEROMETER	Revision: B
357A07		ECN #: 46956

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	1.7 pC/g	0.17 pC/(m/s²)	
Measurement Range	± 2000 g pk	± 19,620 m/s² pk	
Frequency Range(+5 %)	15 kHz	15 kHz	[2]
Frequency Range(+10 %)	20 kHz	20 kHz	[2]
Resonant Frequency	≥ 60 kHz	≥ 60 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s² pk	
Temperature Range	-100 to 500 °F	-73 to 260 °C	
Temperature Range	-100 to +500 °F	-73 to +260 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.10 g/με	≤ 1.0 (m/s²)/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	

CE [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.

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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

P - Positive Output Polarity

Output Polarity	Positive	Positive

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 PS081 for details.

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**

PCB PIEZOTRONICS
3425 Walden Avenue, Depew, NY 14043
Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com