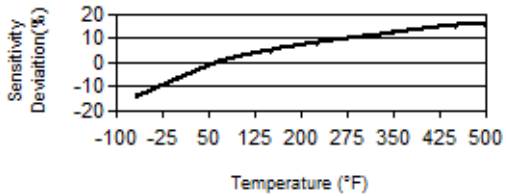
Model Number 357B06	CHARGE OUTPUT ACCELEROMETER	Revision: E ECN #: 52135

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	5 pC/g	0.51 pC/(m/s²)	
Measurement Range	± 500 g pk	± 4,905 m/s² pk	
Frequency Range(+ 5 %)	10 kHz	10 kHz	[1]
Frequency Range(+ 10 %)	15 kHz	15 kHz	[2][1]
Frequency Range(+ 3 dB)	25 kHz	25 kHz	[1][2]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s² pk	
Temperature Range	-65 to +500 °F	-54 to +260 °C	
Temperature Response	See Graph	See Graph	[5]
Base Strain Sensitivity	≤ 0.05 g/με	≤ 0.5 (m/s²)/με	[5]
Electrical			
Capacitance	700 pF	700 pF	[5]
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	[6][2]
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 .68 in x 0.38 in	5.8 mm x 17.3 mm x 9.6 mm	
Weight	0.08 oz	2.3 gm	[5]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	

CE [7]

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.

M - Metric Mount
Supplied Accessory: Model M039A20 Allen wrench, 1.5mm hex (1) replaces Model 039A20
Supplied Accessory: Model M081B36 Insulated cap screw, M2x0.4 thd x 3/8" long (for Model M357B06) (1) replaces Model 081B36

P - Positive Output Polarity

Output Polarity	Positive	Positive

NOTES:

[1]Low frequency response is determined by external signal conditioning electronics.
[2]When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points.
[3]Zero-based, least-squares, straight line method.
[4]Transverse sensitivity is typically <= 3%.
[5]Typical.
[6]Only when using off ground washer.
[7]See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

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).

Entered: ND	Engineer: BAM	Sales: KK	Approved: BAM	Spec Number:
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