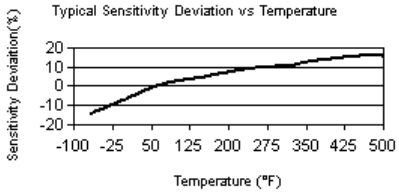
Model Number **357B06**	**CHARGE OUTPUT ACCELEROMETER**	Revision C ECN #: 30236

Performance	**ENGLISH**	**SI**	
Sensitivity (±20 %)	5 pC/g	0.51 pC/(m/s²)	
Measurement Range	±500 g pk	±4905 m/s² pk	
Frequency Range (+5 %)	10 kHz	10 kHz	[4]
Frequency Range (+10 %)	15 kHz	15 kHz	[4][3]
Frequency Range (+3 dB)	25 kHz	25 kHz	[4][3]
Resonant Frequency	≥50 kHz	≥50 kHz	
Non-Linearity	≤1 %	≤1 %	[5]
Transverse Sensitivity	≤5 %	≤5 %	[6]
Environmental			
Overload Limit (Shock)	±10000 g pk	±98100 m/s² pk	
Temperature Range	-65 to +500 °F	-54 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤0.05 g/με	≤0.5 (m/s²)/με	[1]
Electrical			
Capacitance	700 pF	700 pF	[1]
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	[2][3]
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 .65 in x 0.38 in	5.8 mm x 16.4 mm x 9.6 mm	
Weight	0.08 oz	2.3 gm	[1]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	



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 standard model except where noted below. More than one option maybe used.)

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

P - Positive Output Polarity

Output Polarity	Positive	Positive

Notes

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

Supplied Accessories

039A20 Allen wrench, 5/64" hex (1)
081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1)
ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). ()

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