

Model Number
357B33

CHARGE OUTPUT ACCELEROMETER

Revision: K
ECN #: 29612

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	100 pC/g	10.2 pC/(m/s ²)	
Measurement Range	± 150 g pk	± 1470 m/s ² pk	
Frequency Range(+5 %)	3 kHz	3 kHz	[2]
Frequency Range(+10 %)	3.5 kHz	3.5 kHz	[2]
Frequency Range(+3 dB)	5.5 kHz	5.5 kHz	[2]
Resonant Frequency	≥ 13 kHz	≥ 13 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s ² pk	
Temperature Range	-95 to +500 °F	-71 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.0002 g/με	0.002 (m/s ²)/με	[1]
Electrical			
Capacitance	930 pF	930 pF	[1]
Insulation Resistance(at 70° F [21°C])	≥ 10 ¹² ohm	≥ 10 ¹² ohm	
Insulation Resistance(at 500°F)	≥ 10 ⁸ ohm	≥ 10 ⁸ ohm	[1]
Output Polarity	Negative	Negative	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	3/4 in x 1.00 in	3/4 in x 25.4 mm	
Weight	1.60 oz	45 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	

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.

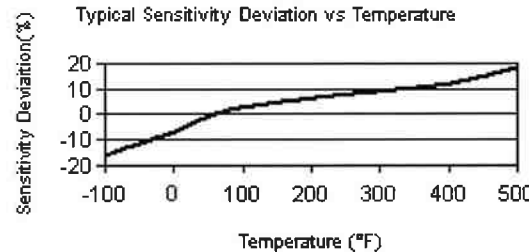
Option	Specification	Value	Value
J - Ground Isolated	Frequency Range(+5 %)	3 kHz	3 kHz
	Frequency Range(+10 %)	3.5 kHz	3.5 kHz
	Resonant Frequency	≥ 12 kHz	≥ 12 kHz
	Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm
	Size - Hex x Height	0.75 in x 1.05 in	19.1 mm x 26.7 mm

Option	Specification	Value	Value
P - Positive Output Polarity	Output Polarity	Positive	Positive

Option	Specification	Value	Value
W - Water Resistant Cable	Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
	Electrical Connection Position	Side	Side

- NOTES:**
 [1] Typical.
 [2] Low frequency response is determined by external signal conditioning electronics.
 [3] Zero-based, least-squares, straight line method.

- SUPPLIED ACCESSORIES:**
 Model 080A109 Petro Wax (1)
 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)



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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Entered: <i>JH</i>	Engineer: <i>JH</i>	Sales: <i>WDC</i>	Approved: <i>EB</i>	Spec Number:
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