

Model Number 357C73		CHARGE OUTPUT ACCELEROMETER		Revision: G ECN #: 56945	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 20 %)		100 pC/g	10.2 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		± 300 g pk	± 2,943 m/s ² pk		
Frequency Range(± 5 %)		2,000 Hz	2,000 Hz		
Resonant Frequency		≥ 11 kHz	≥ 11 kHz		
Non-Linearity		≤ 1 %	≤ 1 %	[2]	
Transverse Sensitivity		≤ 5 %	≤ 5 %	[3]	
Environmental					
Overload Limit(Shock)		± 1,000 g pk	± 9,810 m/s ² pk		
Temperature Range		-65 to +900 °F	-54 to +482 °C		
Temperature Range		-65 to +900 °F	-54 to +482 °C		
Temperature Response		See Graph	See Graph	[4]	
Base Strain Sensitivity		0.033 g/με	0.32 (m/s ²)/με	[4]	
Radiation Exposure Limit(Integrated Neutron Flux)		1 E10 N/cm ²	1 E10 N/cm ²		
Radiation Exposure Limit(Integrated Gamma Flux)		1 E8 rad	1 E8 rad		
Electrical					
Capacitance(Pin to Pin)		1,860 pF	1,860 pF	[4]	
Capacitance(Pin to Case)		26 pF	26 pF	[4]	
Capacitance(Unbalance Between Pins)		≤ 2 pF	≤ 2 pF		
Insulation Resistance(Pin to Case 70° F)		> 10 ⁸ Ohm	> 10 ⁸ Ohm	[4]	
Insulation Resistance(Pin to Pin 70° F)		> 10 ⁹ Ohm	> 10 ⁹ Ohm		
Insulation Resistance(Pin to Pin 900° F)		> 100 kohm	> 100 kohm		
Physical					
Sensing Element		Ceramic	Ceramic		
Sealing		Hermetic	Hermetic		
Size (Height x Diameter)		1.57 in x 0.75 in	39.9 mm x 19 mm		
Weight		4.0 oz	115 gm	[4]	
Electrical Connector		7/16-27 2-Pin	7/16-27 2-Pin		
Electrical Connection Position		Side	Side		
Mounting		Through Holes (3)	Through Holes (3)		

CE

UK

CA

[5]

Typical Sensitivity Deviation vs Temperature

Temperature (°F)	Sensitivity Deviation (%)
-100	-2
100	-1
300	0
500	3
700	8
900	5

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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NOTES:

[1]Low frequency response is determined by external signal conditioning electronics.
[2]Zero-based, least-squares, straight line method.
[3]Transverse sensitivity is typically ≤ 3%.
[4]Typical.
[5]See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

Model 081A99 Cap Screw (3)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).

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