

Model Number 357A64	CHARGE OUTPUT ACCELEROMETER	Revision: B ECN #: 48925
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Performance	ENGLISH	SI	
Sensitivity(± 10 %)	1.15 pC/g	.117 pC/(m/s ²)	
Measurement Range	± 1000 g pk	± 9800 m/s ² pk	
Frequency Range(± 10 %)	10 kHz	10 kHz	
Resonant Frequency	45 kHz	45 kHz	[1]
Non-Linearity(per full scale range)	≤ 1 %	≤ 1 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s ² pk	
Temperature Range(Operating)	-67 to 1200 °F	-55 to 649 °C	[3]
Temperature Range(Survivable Limit)	-67 to 1400 °F	-55 to 760 °C	
Temperature Range(Cable Termination)	-67 to 900 °F	-55 to 482 °C	
Temperature Response	See Graph	See Graph	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm ²	1E10 N/cm ²	
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad	
Electrical			
Capacitance	1000 pF	1000 pF	[1][2]
Insulation Resistance(@ 1200°F[649°C])	≥ 30 kohm	≥ 30 kohm	[3]
Insulation Resistance(@ 70° F [21°C])	≥ 1 GOhm	≥ 1 GOhm	
Electrical Isolation	Signal isolated from case	Signal isolated from case	
Physical			
Sensing Geometry	Shear	Shear	
Housing Material	Nickel Alloy	Nickel Alloy	
Sealing(Sensor Housing)	Hermetic	Hermetic	
Sealing(Connector)	Welded Hermetic	Welded Hermetic	
Size (Height x Length x Width)	.47 in x .87 in x .51 in	11.9 mm x 22.1 mm x 13 mm	
Weight(without cable)	.54 oz	15 gm	[1]
Electrical Connector	Integral Hardline Cable	Integral Hardline Cable	
Cable Length	10 ft	3.05 m	[3]
Cable Type	MI Hardline Cable	MI Hardline Cable	
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Holes (2)	Through Holes (2)	
Mounting Thread	6-32 Male	6-32 Male	

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.

NOTES:

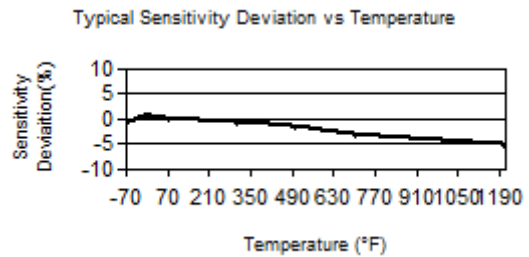
[1] Typical.
 [2] Additional cable length will add approx. 100pF/ft.
 [3] For cable lengths less than 1.5 Ft [.46m] insulation resistance is only tested to 900F [482C].
 [4] Zero-based, least-squares, straight line method.
 [5] See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

Model 64287-01 Mounting Stud 5-40 to 10-32 (1)
 Model 68978-01 6-32 X 1/4" SHCS (2)
 Model ACS-44 Extended amplitude response, upper 5% point to 10% point (requires ACS-1 or equivalent). (1)

Entered: LK	Engineer: RB	Sales: RWM	Approved: BAM	Spec Number:
Date: 12/6/2018	Date: 12/6/2018	Date: 12/6/2018	Date: 12/6/2018	67439

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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.