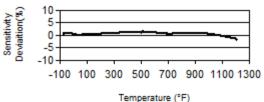
Model Number Revision: C CHARGE OUTPUT ACCELEROMETER 357E91 ECN #: 46956 **ENGLISH** Performance SI **OPTIONAL VERSIONS** .51 pC/(m/s<sup>2</sup>) Sensitivity(± 10 %) 5 pC/g Optional versions have identical specifications and accessories as listed for the standard model ± 9800 m/s<sup>2</sup> pk except where noted below. More than one option may be used. Measurement Range ± 1000 g pk Frequency Range(± 5 %) 3 kHz 3 kHz Frequency Range(± 1 dB) 5 kHz 5 kHz Resonant Frequency ≥ 13.5 kHz ≥ 13.5 kHz Non-Linearity(per full scale range) ≤ 2.5 % ≤ 2.5 % Transverse Sensitivity ≤5% ≤5% **Environmental** Overload Limit(Shock) ± 2000 a pk ± 19.600 m/s<sup>2</sup> pk Temperature Range(Operating) -67 to 1200 °F -55 to 649 °C -55 to 760 °C Temperature Range(Survivable Limit) -67 to 1400 °F Temperature Range(Cable Termination) -67 to 900 °F -55 to 482 °C Temperature Response [2] See graph See graph Radiation Exposure Limit(Integrated Neutron Flux) 1 E10 N/cm<sup>2</sup> 1 E10 N/cm<sup>2</sup> Radiation Exposure Limit(Integrated Gamma Flux) 1 E8 rad 1 E8 rad **Electrical** NOTES: Capacitance 1000 pF 1000 pF [1][2] [1] Additional cable length will add approx. 100pF/ft. Insulation Resistance(@ 1200°F[649°C]) ≥ 10 kohm ≥ 10 kohm [2] Typical. [3] See PCB Declaration of Conformance PS081 for details. Insulation Resistance(@ 70° F [21°C]) ≥ 100 MOhm ≥ 100 MOhm Electrical Isolation Signal isolated from case Signal isolated from case **Physical** Sensing Element UHT-12™ UHT-12™ Sensing Geometry Shear Shear Housing Material Inconel Inconel Sealing(Sensor Housing) Hermetic Hermetic Sealing(Connector) Welded Hermetic Welded Hermetic Size (Height x Length x Width) .66 in x 1.16 in x .66 in 16.7 mm x 29.5 mm x 16.7 mm [2] Weight(without cable) 1807 50 gm **Electrical Connector** Integral Hardline Cable Integral Hardline Cable Cable Length 10 ft 3.05 m Cable Type MI Hardline Cable MI Hardline Cable Cable Termination 10-32 Coaxial Jack 10-32 Coaxial Jack Mounting Through Hole Through Hole Typical Sensitivity Deviation vs Temperature

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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.

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## SUPPLIED ACCESSORIES:

 ${\it Model 081C108 Mounting Screw, 1/4-28x1, Inconel (1)} \\ {\it Model ACS-1 NIST traceable frequency response (10 Hz to upper 5\% point). (1)} \\$ 

Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:
Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	66378



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