

Model Number 357D91		CHARGE OUTPUT ACCELEROMETER			Revision: B ECN #: 44737	
Performance		ENGLISH		SI		
Sensitivity(± 10 %)		5 pC/g		.51 pC/(m/s²)		
Measurement Range		± 1000 g pk		± 9800 m/s² pk		
Frequency Range(± 5 %)		2.5 kHz		2.5 kHz		
Frequency Range(± 1 dB)		4 kHz		4 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 g pk		± 19,600 m/s² pk		
Temperature Range(Operating)		-67 to 1200 °F		-55 to 649 °C		
Temperature Range(Operating)		-67 to 1200 °F		-55 to 649 °C		
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		± 15 %		± 15 %		
Radiation Exposure Limit(Integrated Neutron Flux)		1 E10 N/cm²		1 E10 N/cm²		
Radiation Exposure Limit(Integrated Gamma Flux)		1 E8 rad		1 E8 rad		
Electrical						
Capacitance		1000 pF		1000 pF		
Insulation Resistance(@ 1200°F[649°C])		≥ 10 kohm		≥ 10 kohm		
Insulation Resistance(@ 70° F [21°C])		≥ 100 MOhm		≥ 100 MOhm		
Electrical Isolation		Signal isolated from case		Signal isolated from case		
Physical						
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 1.26 in x .66 in		16.7 mm x 32.0 mm x 16.7 mm		
Weight(without cable)		1.8 oz		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		
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.						

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]Additional cable length will add approx. 100pF/ft. [2]Typical.				
SUPPLIED ACCESSORIES: Model 081C108 Mounting Screw, 1/4-28x1, Inconel (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)				
Entered: LK	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:
Date: 10/28/2015	Date: 10/28/2015	Date: 10/28/2015	Date: 10/28/2015	51342



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