


Model Number 357D93	<b>CHARGE OUTPUT ACCELEROMETER</b>		Revision: C ECN #: 44737	
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Sensitivity(± 10 %)	2.3 pC/g	0.23 pC/(m/s <sup>2</sup> )		
Measurement Range	± 1000 g pk	± 9800 m/s <sup>2</sup> pk	<b>NOTES:</b> [1]Typical. [2]Additional cable length will add approx. 100pF/ft.	
Frequency Range(± 5 %)	2.5 kHz	2.5 kHz		
Frequency Range(± 1 dB)	4 kHz	4 kHz		
Resonant Frequency	≥ 15 kHz	≥ 15 kHz		
Non-Linearity(per full scale range)	≤ 2.5 %	≤ 2.5 %		
Transverse Sensitivity	≤ 5 %	≤ 5 %		
<b>Environmental</b>				
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s <sup>2</sup> pk		
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 %	[1]	
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		
<b>Electrical</b>				
Capacitance	1000 pF	1000 pF	[1][2]	
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		
<b>Physical</b>				
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)	.56 in x .95 in x .56 in	14.2 mm x 24.1 mm x 14.2 mm		
Weight(without cable)	1.6 oz	45 gm	[1]	
Electrical Connector	Integral Hardline Cable	Integral Hardline Cable		
Cable Length	10 ft	3.05 m		
Cable Type	015 Hardline Cable	015 Hardline Cable		
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack		
Mounting	Through Hole	Through Hole		
<p><i>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. ICP® is a registered trademark of PCB Group, Inc.</i></p>				
<b>SUPPLIED ACCESSORIES:</b> Model 081A116 Mounting Screw, 10-32 UNJF-3Ax 5/8", Inconel 718 (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:
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