



Model Number 340A50	<b>TRIAxIAL CHARGE OUTPUT ACCELEROMETER</b>		Revision: J ECN #: 40410	
<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.  P - Positive Output Polarity	
Sensitivity(± 30 %)	2.7 pC/g	0.28 pC/(m/s <sup>2</sup> )		
Measurement Range	± 1000 g pk	± 9800 m/s <sup>2</sup> pk	<b>NOTES:</b> [1]Typical. [2]Accel from structure into sensor base. [3]Zero-based, least-squares, straight line method.	
Frequency Range(+5 %)	8 kHz	8 kHz		
Frequency Range(+10 %)	10 kHz	10 kHz		
Resonant Frequency	≥ 25 kHz	≥ 25 kHz		
Non-Linearity	≤ 2 %	≤ 2 %		
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]	
<b>Environmental</b>				
Overload Limit(Shock)	± 5000 g pk	± 49,000 m/s <sup>2</sup> pk		
Temperature Range	-94 to +500 °F	-70 to +260 °C		
<b>Electrical</b>				
Capacitance	240 pF	240 pF	[1]	
Insulation Resistance(at 70° F [21° C])	>10 <sup>12</sup> Ohm	>10 <sup>12</sup> Ohm	[1]	
Insulation Resistance(at 500°F [260°C])	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	[1]	
Output Polarity	Negative	Negative	[2]	
<b>Physical</b>				
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Titanium	Titanium		
Sealing	Hermetic	Hermetic		
Size (Length x Width x Height)	0.85 in x 0.5 in x 0.4 in	21.6 mm x 12.7 mm x 10.2 mm		
Weight	0.39 oz	11.0 gm	[1]	
Electrical Connector	M3 Coaxial Jack	M3 Coaxial Jack		
Mounting Thread	M3 x 0.50 Male	M3 x 0.50 Male		
Mounting Torque	4.0 to 5.0 in-lb	45 to 55 N-cm		
<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>				
			<b>SUPPLIED ACCESSORIES:</b> Model 039A25 Removal tool (for M3 connector) (1) Model 080A109 Petro Wax (1) Model 080A147 Adhesive mounting base (for Model 340A50) (1) Model 080A90 Quick Bonding Gel (1) Model 081A95 Mounting screw (2 each), M3 x 14 mm (for Model 340A50) (2) Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1) Model M039A22 Allen wrench for use with M3 thread (1)	
Entered:	Engineer: MAM	Sales: WDC	Approved: BAM	Spec Number:
Date:	Date: 1/29/2013	Date: 1/29/2013	Date: 1/29/2013	12954
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