

Model Number EX356A73		Revision: A ECN #: 48599		
TRIAxIAL CHARGE OUTPUT ACCELEROMETER				
Performance		ENGLISH	SI	
Sensitivity	3.2 pC/g	.33 pC/(m/s²)		
Measurement Range	500 g pk	4905 m/s² pk		
Frequency Range(+/-5 %)	4 kHz	4 kHz	[2]	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz		
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]	
Transverse Sensitivity	≤ 5 %	≤ 5 %		
Environmental				
Overload Limit(Shock)	3000 g pk	29,400 m/s² pk		
Temperature Range	-67 to 900 °F	-55 to 482 °C		
Temperature Response	See Graph	See Graph	[1]	
Base Strain Sensitivity	.003 g/με	.029 (m/s²)/με	[1]	
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm²	1E10 N/cm²		
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad		
Electrical				
Capacitance	120 pF	120 pF	[1]	
Insulation Resistance(at 70° F [21° C])	>1 GOhm	>1 GOhm		
Insulation Resistance(at 900°F)	>100 kohm	>100 kohm		
Electrical Isolation(Case)	>1E6 Ohm	>1E6 Ohm		
Output Polarity	Positive	Positive		
Physical				
Sensing Element	UHT-12™	UHT-12™		
Sensing Geometry	Shear	Shear		
Housing Material	Nickel Alloy	Nickel Alloy		
Sealing	Hermetic	Hermetic		
Size (Length x Width x Height)	1.35 in x 1.35 in x 1.00 in	34.3 mm x 34.3 mm x 25.4 mm		
Weight	6.0 oz	170 gm	[1]	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Mounting	Through Hole	Through Hole		
Mounting Torque	18 to 20 in-lb	2 to 2.3 Nm		
Typical Sensitivity Deviation vs Temperature				
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.				
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] Low frequency response is determined by external signal conditioning electronics.				
[3] Zero-based, least-squares, straight line method.				
[4] See PCB Declaration of Conformance PS187 for details.				
SUPPLIED ACCESSORIES:				
Model 62491-01 Mounting screw, 8-32 UNC-2A x 7/8", Inconel 718 (2)				
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)				
Entered: LK	Engineer: JJD	Sales: MC	Approved: BAM	Spec Number:
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