Model Number 3641A122KG	PIEZORESISTIVE ACCELEROMETER							vision: F N #: 43436
Performance Sensitivity(± 50 %)(at 10 VDC excitation) Measurement Range Frequency Range(± 10 %) Resonant Frequency Damping Ratio Non-Linearity Transverse Sensitivity	ENGLISH 0.20 mV/g ± 2000 g pk 0 to 5000 Hz >20 kHz 0.05 critical ± 1 % ≤ 2 %	<u>SI</u> 0.020 mV/(m/s²) ± 19,620 m/s² pk 0 to 5000 Hz >20 kHz 0.05 critical ± 1 % ≤ 2 %	[2] [1] [7]	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]Verified with test data provided on supplied calibration certificate. [3]Settling Time is the maximum time after power-up for the Offset Voltage to be within +/-2% or Measurement Range output of the final offset value. Mounting surface must be at thermal equilibrium. [4]Individually tested to ensure compliance with specified value. [5]Half-sine pulse duration, ≥ 200 µsec. [6]-65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [7]% deviation per 1000g SUPPLIED ACCESSORIES: Model 039A30 Allen wrench, 0.050 hex (1) Model 039A30 Allen wrench, 0.050 hex (1) Model 0ACS-29 Calibration of Piezoresistive Accelerometers Entered: AP Engineer: LAB Sales: RWM Approved: NJF Spec Number: Date: 10/20/2014 Date: 10/20/2014 Date: 10/20/2014 Date: 10/20/2014 Date: 10/20/2014				
Environmental Overload Limit(Shock) Overload Limit(Mechanical Stops) Temperature Range(Operating) Temperature Range(Storage) Temperature Coefficient of Sensitivity Zero g Offset Temperature Shift Base Strain Sensitivity Electrical Excitation Voltage(Maximum) Current Consumption Input Resistance(± 750 Ohm) Output Resistance(± 750 Ohm) Offset Voltage Settling Time Electrical Isolation(Case)	\pm 10,000 g pk ≥ 2200 g pk 0 to 150 °F -65 to 250 °F -0.10 %/°F ± 20 mV 0.0008 g/με 15 VDC <10 mA 2250 Ohm 2250 Ohm ± 50 mVDC 0.01 sec ≥ 10 ⁸ Ohm	± 98,100 m/s² pk ≥ 21,582 m/s² pk -18 to 66 °C -54 to 121 °C -0.18 %/°C ± 20 mV 0.008 (m/s²)/με 15 VDC <10 mA 2250 Ohm ± 250 mVDC 0.01 sec ≥ 10 ⁸ Ohm	[5][4] [1] [1] [1] [2] [2] [2] [3] [4]					
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Height x Length x Width) Weight(without cable) Electrical Connector Electrical Connector Cable Type Cable Termination	Piezoresistive MEMS Full Active Anodized Aluminum Epoxy 0.200 in x 0.470 in x 0.400 in .035 oz Integral Cable Side 036 4-cond silicone jacket Piqtail Ends	Piezoresistive MEMS Full Active Anodized Aluminum Epoxy 5.08 mm x 11.94 mm x 10.16 mm 1 gm Integral Cable Side 036 4-cond silicone jacket Piatai Ends	[1]					
Cable Length Mounting All specifications are at room temperature of In the interest of constant product improved ICP® is a registered trademark of PCB Gro	30 ft Through Holes (2) unless otherwise specified. ment, we reserve the right to cha	9.14 m Through Holes (2)			PIEZOTA		Fax: 716-	6-684-0001 684-0987 fo@pcb.com