

Model Number 3713B1130G	TRIAxIAL DC RESPONSE ACCELEROMETER				Revision: E ECN #: 39611
Performance Sensitivity(± 5 %) 66.7 mV/g Measurement Range ± 30 g pk Frequency Range(± 5 %) 0 to 1.0 kHz Frequency Range(± 10 %) 0 to 1.5 kHz Resonant Frequency ≥ 4 kHz Phase Response(100 Hz) <10 ° Broadband Resolution(0.5 to 100 Hz) 3.5 mg rms Non-Linearity ≤ 1 % Transverse Sensitivity ≤ 3 %		ENGLISH 66.7 mV/g ± 30 g pk 0 to 1.0 kHz 0 to 1.5 kHz ≥ 4 kHz <10 ° 3.5 mg rms ≤ 1 % ≤ 3 %		SI 6.80 mV/(m/s²) ± 294 m/s² pk 0 to 1.0 kHz 0 to 1.5 kHz ≥ 4 kHz <10 ° 0.034 m/s² rms ≤ 1 % ≤ 3 %	
Environmental Overload Limit(Shock) ± 3000 g pk Temperature Range(Operating) -65 to +250 °F Temperature Range(Storage) -65 to +250 °F Temperature Coefficient of Sensitivity ± 3 % Zero g Offset Temperature Coefficient ± 2 %FSO Base Strain Sensitivity 0.0002 g/με Magnetic Sensitivity 27.9 μg/gauss		± 29,420 m/s² pk -54 to +121 °C -54.0 to +121 °C ± 3 % ± 2 %FSO 0.002 (m/s²)/με 2.8 (m/s²)/Tesla		[5] [2] [6] [3] [3][4] [2] [2]	
Electrical Excitation Voltage 6 to 30 VDC Current Consumption ≤ 6 mA Output Impedance ≤ 100 Ohm Offset Voltage(0 g) ± 40 mVDC Spectral Noise(1 to 100 Hz) 330 μg/√Hz Electrical Isolation(Case) >10⁸ Ohm		6 to 30 VDC ≤ 6 mA ≤ 100 Ohm ± 40 mVDC 3237 (μm/sec²)/√Hz >10⁸ Ohm		[1] [2]	
Physical Housing Material Titanium Sealing Hermetic Size (Length x Width x Height) 0.8 in x 0.8 in x 0.8 in Weight 0.6 oz Electrical Connector 9-Pin Electrical Connection Position Side		Titanium Hermetic 20.3 mm x 20.3 mm x 20.3 mm 17.3 gm 9-Pin Side		[1] [2]	
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] Offset tolerance is based on 10 ft of 037 test cable. [2] Typical. [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [4] FSO = Full Scale Output over the Measurement Range (4VDC). [5] Measured at 100 Hz, 10 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.					
SUPPLIED ACCESSORIES: Model 080A12 Adhesive Mounting Base (1) Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-103T Triaxial Calibration Phase and Magnitude from 2 Hz to +5% using Linear scale (1) Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)					
Entered: AP		Engineer: RPF		Sales: RWM	
Date: 7/31/2012		Date: 7/31/2012		Date: 7/31/2012	
Approved: BAM		Spec Number:		43796	
					
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