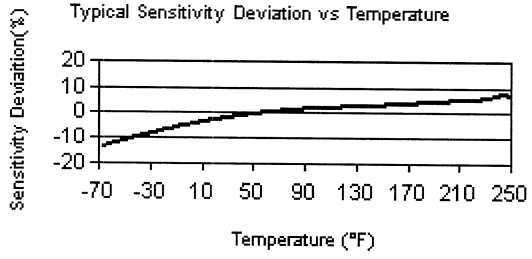
Model Number	TRIAXIAL ICP® ACCELEROMETER	Revision: A
354B21		ECN #: 24131

Performance	ENGLISH	SI	
Sensitivity (± 10 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	± 500 g pk	± 4905 m/s² pk	
Frequency Range (± 5 %)	1.0 to 7000 Hz	1.0 to 7000 Hz	
Frequency Range (± 1 dB)	0.5 to 8000 Hz	0.5 to 8000 Hz	
Resonant Frequency	≥ 20 kHz	≥ 20 kHz	
Broadband Resolution (1 to 10,000 Hz)	0.001 g rms	0.01 m/s² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit (Shock)	± 5000 g pk	± 49,050 m/s² pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.0005 g/με	0.005 (m/s²)/με	[1]
Electrical			
Excitation Voltage	21 to 30 VDC	21 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 ohm	≤ 200 ohm	
Output Bias Voltage	8 to 14.5 VDC	8 to 14.5 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time (within 10% of bias)	<15 sec	<15 sec	
Spectral Noise (1 Hz)	200 μg/√Hz	1962 (μm/s²)/√Hz	[1]
Spectral Noise (10 Hz)	60 μg/√Hz	589 (μm/s²)/√Hz	[1]
Spectral Noise (100 Hz)	15 μg/√Hz	147 (μm/s²)/√Hz	[1]
Spectral Noise (1 kHz)	8 μg/√Hz	79 (μm/s²)/√Hz	[1]
Electrical Isolation	≥ 10^8 ohm	≥ 10^8 ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Anodized Aluminum	Anodized Aluminum	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.46 in x 0.80 in x 0.80 in	11.7 mm x 20.3 mm x 20.3 mm	
Weight	0.50 oz	14.3 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Hole	Through Hole	

CE [3]



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.

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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] Zero-based, least-squares, straight line method.
[3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
Model 081A98 4-40 socket head cap screw x 0.675 " long (for Series 3801) (2)
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
Model M081A98 Mounting Screw (2)

Entered: BLS	Engineer: [illegible]	Sales: MRA	Approved: [illegible]	Spec Number:
Date: 4-25-06	Date: 4/26/06	Date: 4/26/06	Date: 4/26/06	28315

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