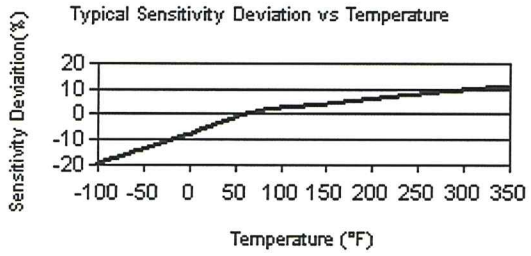
Model Number	TRIAXIAL CHARGE OUTPUT ACCELEROMETER	Revision: B
356A72		ECN #: 35908

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	2.6 pC/g	0.26 pC/(m/s²)	
Measurement Range	± 500 g pk	± 4905 m/s² pk	
Frequency Range(+5 %)	7 kHz	7 kHz	[3]
(+1 dB)	8 kHz	8 kHz	[3]
Resonant Frequency	≥ 20 kHz	≥ 20 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s² pk	
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.005 g/με	0.05 (m/s²)/με	[1]
Electrical			
Capacitance	240 pF	240 pF	[1]
Insulation Resistance(at 70° F [21° C])	≥ 10^{10} ohm	≥ 10^{10} ohm	
Electrical Isolation(Base)	≥ 10^{8} ohm	≥ 10^{8} ohm	
Output Polarity	Negative	Negative	[2]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Anodized Aluminum	Anodized Aluminum	
Sealing	Hermetic	Hermetic	
Size (Length x Width x Height)	0.80 in x 0.80 in x 0.46 in	20.3 mm x 20.3 mm x 11.7 mm	
Weight	0.50 oz	14.3 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Hole	Through Hole	



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.

P - Positive Output Polarity

Output Polarity	Positive	Positive

NOTES:

[1] Typical.
[2] Accel from structure into sensor base.
[3] Low frequency response is determined by external signal conditioning electronics.

SUPPLIED ACCESSORIES:

Model 003A10 10 FT LOW NOISE COAX CABLE 10-32 / 10-32 (3)
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.
Model M081A98 Mounting Screw (2)

Entered: LH	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:
Date: 6-3-11	Date: 5-27-11	Date: 5-27-11	Date: 5-27-11	35870

PCB PIEZOTRONICS
VIBRATION DIVISION
3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
Fax: 716-685-3886
E-Mail: vibration@pcb.com