



## Model 357B61

Product Type: Accelerometer, Vibration Sensor High temp., ceramic compression, charge output accel., 10 pC/g, 5kHz, 10-32 side conn. (-65°F to +900°F), supplied with 10-ft hardline cable

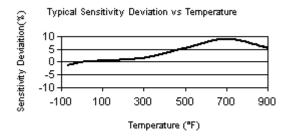
Sensitivity( $\pm 10 \%$ )10 pC/g1.02 pC/(m/s²)Measurement Range $\pm 1000 \text{ g pk}$ $\pm 9810 \text{ m/s² pk}$ Frequency Range( $\pm 5 \%$ ) $5 \text{ kHz}$ $5 \text{ kHz}$ $5 \text{ kHz}$ Resonant Frequency $\geq 24 \text{ kHz}$ $\geq 24 \text{ kHz}$ $\geq 24 \text{ kHz}$ Non-Linearity $\leq 1 \%$ $\leq 1 \%$ $\leq 1 \%$ Transverse Sensitivity $\leq 3 \%$ $\leq 3 \%$ $\leq 3 \%$ ENVIRONMENTAL $=$ $=$ $=$ Overload Limit(Shock) $\pm 5000 \text{ g pk}$ $\pm 49.050 \text{ m/s² pk}$ Temperature ResponseSee GraphSee GraphBase Strain Sensitivity $0.001 \text{ g/µc}$ $0.01 \text{ (m/s²)/µc}$ Radiation Exposure Limit(Integrated Neutron Flux) $1 \text{ E10 N/cm²}$ Radiation Exposure Limit(Integrated Gamma Flux) $1 \text{ E8 rad}$ $1 \text{ E8 rad}$ ELECTRICAL $=$ $=$ Capacitance $630 \text{ pF}$ $630 \text{ pF}$ $610 \text{ m/s²}$ Output PolarityNegativeNegativeNegativePHYSICAL $=$ $=$ Sensing GeometryCompressionCompressionHousing MaterialInconelInconelSize (Hex x Height) $5/8 \text{ in x 1.0 in}$ $5/8 \text{ in x 25.4 mm}$ Weight $1.1 \text{ oz}$ $30 \text{ gm}$ $11$ Electrical Connector $10.32 \text{ Female}$ $10.32 \text{ Female}$ Suble Motelling Thread $10.32 \text{ to 1032}$ (1)Model 031A107 Mounting stud (10-32 to 10-32) (1)Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 031A107 Mounting stud (10-32 to 10-32) (1)<	PERFORMANCE	ENGLISH	SI	
Frequency Range(+5 %)5 kHz5 kHz[2]Resonant Frequency $\geq 24$ kHz $\geq 24$ kHz $\geq 24$ kHz[3]Transverse Sensitivity $\leq 3$ % $\leq 1$ %[3]Transverse Sensitivity $\leq 3$ % $\leq 1$ %[3]Overload Limit(Shock) $\pm 5000$ g pk $\pm 49,050$ m/s² pkTemperature ResponseSee GraphSee GraphTemperature ResponseSee GraphSee GraphBase Strain Sensitivity0.001 g/µc0.01 (m/s²)/µcRadiation Exposure Limit(Integrated Neutron Flux)1 E10 N/cm²Radiation Exposure Limit(Integrated Gamma Flux)1 E8 rad1 E8 rad <b>ELECTRICAL</b>	Sensitivity(± 10 %)	10 pC/g	1.02 pC/(m/s <sup>2</sup> )	
Resonant Frequency $\geq 24 \text{ kHz}$ $\geq 24 \text{ kHz}$ Non-Linearity $\leq 1\%$ $\leq 1\%$ [3]Transverse Sensitivity $\leq 3\%$ $\leq 3\%$ $\leq 3\%$ ENVIRONMENTAL $=$ $=$ $=$ Overload Limit(Shock) $\pm 5000 \text{ g pk}$ $\pm 49,050 \text{ m/s}^2 \text{ pk}$ Temperature ResponseSee GraphSee GraphTemperature ResponseSee GraphSee GraphBase Strain Sensitivity $0.001 \text{ g/µc}$ $0.01 (m/s^2)/µc$ Base Strain Sensitivity $0.001 \text{ g/µc}$ $0.01 (m/s^2)/µc$ Radiation Exposure Limit(Integrated Neutron Flux) $1 \text{ E10 N/cm}^2$ Radiation Exposure Limit(Integrated Gamma Flux) $1 \text{ E8 rad}$ $1 \text{ E8 rad}$ ELECTRICAL $=$ $=$ Capacitance $630 \text{ pF}$ $630 \text{ pF}$ Insulation Resistance(at 70° F [21°C])>10° ohm>100° kohmOutput PolarityNegativeNegativePHYSICAL $=$ $=$ Sensing ElementCeramicCeramicSealingHermeticHermeticSize (Hex x Height) $5/8 \text{ in x 1.0 in}$ $5/8 \text{ in x 25.4 \text{ mm}}$ Weight $1.1 \text{ oz}$ $30 \text{ gm}$ [1]Electrical Connector $10-32 \text{ Female}$ $10-32 \text{ Female}$ Suppl. Lacetsonce $5/8 \text{ in x 1.0 in}$ $5/8 \text{ in x 2.5 \text{ mm}}$ Weight $1.0 \text{ oz}$ $10-32 \text{ Coaxial Jack}$ $10-32 \text{ Coaxial Jack}$ Electrical Connector $10-32 \text{ Lind}$ $10-32 \text{ Female}$ $10-32 \text{ Female}$ Suppl. Lacetsonerees	Measurement Range	± 1000 g pk	± 9810 m/s² pk	
Non-Linearity $\leq 1 \%$ $\leq 1 \%$ $[3]$ Transverse Sensitivity $\leq 3 \%$ $\leq 3 \%$ $\leq 3 \%$ ENVIRONMENTAL $=$ $=$ $=$ Overload Limit(Shock) $\pm 5000 \text{ g pk}$ $\pm 49,050 \text{ m/s}^2 \text{ pk}$ Temperature ResponseSee GraphSee GraphTemperature ResponseSee GraphSee GraphBase Strain Sensitivity $0.001 \text{ g/µc}$ $0.01 (m/s^2)/µc$ Radiation Exposure Limit(Integrated Neutron Flux) $1 \text{ E10 N/cm}^2$ $1 \text{ E10 N/cm}^2$ Radiation Exposure Limit(Integrated Gamma Flux) $1 \text{ E3 rad}$ $1 \text{ E8 rad}$ ELECTRICAL $=$ $=$ $=$ Capacitance $630 \text{ pF}$ $630 \text{ pF}$ $610 \text{ m}$ Insulation Resistance(at 70° F [21°C])>100 kohm>100 kohm>100 kohmInsulation Resistance(900° F [482° C])>100 kohm>100 kohm>100 kohmOutput PolarityNegativeNegativeNegativePHYSICALCeramicCeramicSensing GeometrySensing GeometryCompressionCompressionHonnelHousing MaterialInconelInconelInconelSize (Hex x Height) $5/8 \text{ in x 1.0 in}$ $5/8 \text{ in x 25.4 mm}$ Weight1.1 oz30 gm [1]Ilectrical ConnectorSuper Lieb ACCESSORIES:In-32 FemaleIn-32 FemaleModel 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model SideSideModel 081A107 Mounting stud (10-32 to M6 x 0.75) (1)OPTIONAL VERSIONSP- Positive Output Polarity<	Frequency Range(+5 %)	5 kHz	5 kHz	[2]
Transverse Sensitivity $\leq$ 3 % $\leq$ 3 %Image: Display transmission of the sensitivity $\leq$ 3 % $\leq$ 3 %Overload Limit(Shock) $\pm$ 5000 g pk $\pm$ 49,050 m/s² pkTemperature ResponseSee GraphSee GraphTemperature ResponseSee GraphSee GraphBase Strain Sensitivity0.001 g/µɛ0.01 (m/s²)/µɛRadiation Exposure Limit(Integrated Neutron Flux)1 E10 N/cm²1 E10 N/cm²Radiation Exposure Limit(Integrated Gamma Flux)1 E8 rad1 E8 radELECTRICALCapacitance630 pF630 pFCapacitance630 pF630 pF[1]Insulation Resistance(at 70° F [21°C])>10° ohm>100 kohmOutput PolarityNegativeNegativePHYSICALCompressionCompressionSensing ElementCeramicCeramicSensing ElementCeramicCompressionSealingHermeticHermeticStel (Hex X Height)5/8 in x 1.0 in5/8 in x 2.5 4 mmWeight1.1 oz30 gm[1]Electrical Connector10-32 Coaxial Jack10-32 Coaxial JackElectrical ConnectorSideSideModel 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 (1)Model 023A10 Hardline cable, 10-ft, 10-32 (1)Model 0081A107 Mounting stud (10-32 to 10-32) (1)Model 0081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)OPTIONAL VERSIONSP- Positive Output PolarityEPolity	Resonant Frequency	≥ 24 kHz	≥ 24 kHz	
ENVIRONMENTAL	Non-Linearity	≤1%	≤1%	[3]
Overload Limit(Shock)       ± 5000 g pk       ± 49,050 m/s² pk         Temperature Response       See Graph       See Graph         Temperature Response       See Graph       See Graph         Base Strain Sensitivity       0.001 g/µc       0.01 (m/s²)/µc       [1]         Radiation Exposure Limit(Integrated Neutron Flux)       1 E10 N/cm²       1 E10 N/cm²         Radiation Exposure Limit(Integrated Gamma Flux)       1 E8 rad       1 E8 rad         ELECTRICAL       Capacitance       630 pF       630 pF         Capacitance       630 opF       630 opF       10 <sup>8</sup> ohm         Insulation Resistance(at 70° F [21°C])       >100 kohm       >100 kohm       0utput Polarity         PHYSICAL       Negative       Negative       Negative         Sensing Element       Ceramic       Ceramic       See Graph         Sealing       Hermetic       Inconel       Inconel         Housing Material       Inconel       Inconel       Seide         Side       Side       Side       Side         Mounting Thread       10-32 Coaxial Jack       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connector       Side       Side       Side       Side         Model 023A10 Hardline cable, 10-ft, 10-32 plug to	Transverse Sensitivity	≤ 3 %	≤ 3 %	
Temperature Response       See Graph       See Graph         Temperature Response       See Graph       See Graph         Base Strain Sensitivity       0.001 g/µc       0.01 (m/s²)/µc [1]         Radiation Exposure Limit(Integrated Neutron Flux)       1 E10 N/cm²       1 E10 N/cm²         Radiation Exposure Limit(Integrated Gamma Flux)       1 E8 rad       1 E8 rad         ELECTRICAL       Capacitance       630 pF       630 pF         Capacitance       630 pF       108 ohm       >100 kohm         Insulation Resistance(at 70° F [21°C])       >100 kohm       >100 kohm       >100 kohm         Output Polarity       Negative       Negative       Negative         PHYSICAL       Ceramic       Ceramic       Ceramic         Sensing Element       Ceramic       Ceramic       See Graph         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 2.5.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Caxial Jack       10-32 Caxial Jack         Side       Side       Side       Side         Mounting Thread       10-32 caxial Jack (1)       10-32 Female         Side       Side       Side       Side         Model 023A10 Hardline cable,	ENVIRONMENTAL			
Temperature ResponseSee GraphSee GraphSee Graph[1]Temperature ResponseSee GraphSee GraphSee GraphSee GraphBase Strain Sensitivity0.001 (m/s*)/µc[1]Radiation Exposure Limit(Integrated Neutron Flux)1 E10 N/cm²1 E10 N/cm²Radiation Exposure Limit(Integrated Gamma Flux)1 E8 rad1 E8 radELECTRICALCCapacitance630 pF630 pFInsulation Resistance(at 70° F [21°C])>108 ohm>100 kohmInsulation Resistance(900° F [482° C])>100 kohm>100 kohmOutput PolarityNegativeNegativePHYSICALCeramicCeramicSensing ElementCeramicCeramicSensing GeometryCompressionCompressionHousing MaterialInconelInconelSize (Hex x Height)5/8 in x 1.0 in5/8 in x 25.4 mmWeight1.1 oz30 gm [1]Electrical Connector10-32 Coaxial JackElectrical Connector10-32 Coaxial JackModel 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 023A10 Mounting stud (10-32 to 10-32) (1)Model 081A107 Mounting stud (10-32 to M6 x 0.75) (1)OPTIONAL VERSIONSP- Positive Output Polarity	Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s² pk	
Temperature ResponseSee GraphSee GraphBase Strain Sensitivity0.001 g/με0.01 (m/s²)/με[1]Radiation Exposure Limit(Integrated Neutron Flux)1 E10 N/cm²1 E10 N/cm²Radiation Exposure Limit(Integrated Gamma Flux)1 E8 rad1 E8 radELECTRICAL11 E8 rad1Capacitance630 pF630 pF630 pFInsulation Resistance(at 70° F [21°C])>108 ohm>100 kohmOutput PolarityNegativeNegativePHYSICAL11Sensing ElementCeramicCeramicSensing GeometryCompressionCompressionHousing MaterialInconelInconelSize (Hex x Height)5/8 in x 1.0 in5/8 in x 25.4 mmWeight1.1 oz30 gm [1]Electrical Connector10-32 Coaxial JackElectrical Connector10-32 Coaxial JackSuper Lieb Accesson RESSideModel 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32) (1)Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)OPTIONAL VERSIONSP- Positive Output Polarity	Temperature Response	See Graph	See Graph	
Base Strain Sensitivity0.001 g/με0.01 (m/s²)/με[1]Radiation Exposure Limit(Integrated Neutron Flux)1 E10 N/cm²1 E10 N/cm²1 E10 N/cm²Radiation Exposure Limit(Integrated Gamma Flux)1 E8 rad1 E8 rad1 E8 radELECTRICALCapacitance630 pF630 pF[1]Insulation Resistance(at 70° F [21°C])>10° ohm>100 kohm>100 kohmOutput PolarityNegativeNegativeNegativePHYSICALCaramicCeramicCeramicSensing ElementCeramicCeramicSensing GeometrySensing GeometryCompressionCompressionInconelHousing MaterialInconelInconelInconelSize (Hex x Height)5/8 in x 1.0 in5/8 in x 25.4 mm30 gmWeight1.1 oz30 gm[1]Electrical Connector10-32 Coaxial Jack10-32 Coaxial JackBounting Thread10-32 Female10-32 FemaleSUPLIED ACCESSORIES:Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable, 10-ft, 10-32 to 10-32 jack (1)Model 023A10 Hardline cable frequency response (10 Hz to upper 5% point). (1)Model 0081A107 Metric mounting stud (10-32 to M	Temperature Response	See Graph	See Graph	[1]
Radiation Exposure Limit(Integrated Neutron Flux)       1 E10 N/cm²       1 E10 N/cm²         Radiation Exposure Limit(Integrated Gamma Flux)       1 E8 rad       1 E8 rad         Capacitance       630 pF       630 pF       [1]         Insulation Resistance(at 70° F [21°C])       >10° ohm       >10° ohm       >10° kohm         Output Polarity       Negative       Negative       Negative         PHYSICAL        Caramic       Ceramic       Ceramic         Sensing Element       Ceramic       Ceramic       Compression       Nonpression         Housing Material       Inconel       Inconel       Inconel       Si n x 25.4 mm         Sealing       Hermetic       10.32 Coaxial Jack       10.32 Coaxial Jack       Electrical Connector       10.32 Coaxial Jack       10.32 Coaxial Jack         SupPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model 081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS         P- Positive Output Polarity       Polyter 5% point). (1)       Polyter 5% point). (1)       Polyter 5% point). (1)	Temperature Response	See Graph	See Graph	
Radiation Exposure Limit(Integrated Gamma Flux)       1 E8 rad         ELECTRICAL       630 pF       630 pF       [1]         Capacitance       630 pF       630 pF       [1]         Insulation Resistance(at 70° F [21°C])       >10 <sup>8</sup> ohm       >100 kohm       00 kohm         Output Polarity       Negative       Negative       Negative         PHYSICAL       0       Ceramic       Ceramic         Sensing Element       Ceramic       Ceramic       Sensing Geometry         Housing Material       Inconel       Inconel       Inconel         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm       Yeight         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connector Position       Side       Side         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 023A10 Hardline cable, 10-ft, 10-32 (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)       Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS       F       P- Positive Output Polarity       Image: Polarity		0.001 g/με	0.01 (m/s²)/με	[1]
Radiation Exposure Limit(Integrated Gamma Flux)       1 E8 rad         ELECTRICAL       630 pF       630 pF       [1]         Capacitance       630 pF       630 pF       [1]         Insulation Resistance(at 70° F [21°C])       >10 <sup>8</sup> ohm       >100 kohm       00 kohm         Output Polarity       Negative       Negative       Negative         PHYSICAL       0       Ceramic       Ceramic         Sensing Element       Ceramic       Ceramic       Sensing Geometry         Housing Material       Inconel       Inconel       Inconel         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm       Yeight         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connector Position       Side       Side         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 023A10 Hardline cable, 10-ft, 10-32 (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)       Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS       F       P- Positive Output Polarity       Image: Polarity	Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm <sup>2</sup>	1 E10 N/cm <sup>2</sup>	
Capacitance         630 pF         630 pF         [1]           Insulation Resistance(at 70° F [21°C])         >10 <sup>8</sup> ohm         >10 <sup>8</sup> ohm         >100 kohm           Insulation Resistance(900° F [482° C])         >100 kohm         >100 kohm         >100 kohm           Output Polarity         Negative         Negative         Negative           PHYSICAL              Sensing Element         Ceramic         Ceramic            Sensing Geometry         Compression         Compression            Housing Material         Inconel         Inconel         Inconel           Sealing         Hermetic         Hermetic         Size (Hex x Height)         5/8 in x 1.0 in         5/8 in x 25.4 mm           Weight         1.1 oz         30 gm         [1]         Electrical Connector         10-32 Coaxial Jack         10-32 Coaxial Jack           Electrical Connector Position         Side         Side         Side         Side           Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model 0081A107 Mounting stud (10-32 to 10-32) (1)         Model 0081A107 Metric mounting stud (10-32 to 06 k 0.75) (1)         OPTIONAL VERSIONS         P	Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	
Insulation Resistance(at 70° F [21°C])       >10 <sup>8</sup> ohm       >10 <sup>8</sup> ohm         Insulation Resistance(900° F [482° C])       >100 kohm       >100 kohm         Output Polarity       Negative       Negative         PHYSICAL           Sensing Element       Ceramic       Ceramic         Sensing Geometry       Compression       Compression         Housing Material       Inconel       Inconel         Sealing       Hermetic       Hermetic         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connector Position       Side       Side         Mounting Thread       10-32 plug to 10-32 jack (1)       10-32 Female         SUPPLIED ACCESSORIES:            Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)           Model 081A107 Mounting stud (10-32 to 10-32) (1)           Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)           OPTIONAL VERSIONS            P- Positive Output Polarity	ELECTRICAL			
Insulation Resistance(900° F [482° C])       >100 kohm       >100 kohm         Output Polarity       Negative       Negative         PHYSICAL       Ceramic       Ceramic         Sensing Element       Ceramic       Ceramic         Sensing Geometry       Compression       Compression         Housing Material       Inconel       Inconel         Sealing       Hermetic       Hermetic         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connector Position       Side       Side         Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS       P- Positive Output Polarity       P	Capacitance	630 pF		[1]
Output Polarity         Negative         Negative           PHYSICAL         Ceramic         Ceramic           Sensing Element         Compression         Compression           Sensing Geometry         Compression         Compression           Housing Material         Inconel         Inconel           Sealing         Hermetic         Hermetic           Size (Hex x Height)         5/8 in x 1.0 in         5/8 in x 25.4 mm           Weight         1.1 oz         30 gm         [1]           Electrical Connector         10-32 Coaxial Jack         10-32 Coaxial Jack           Electrical Connector Position         Side         Side           Mounting Thread         10-32 Female         10-32 Female           SUPPLIED ACCESSORIES:         Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)           Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)           OPTIONAL VERSIONS         P- Positive Output Polarity         Positive Output Polarity	Insulation Resistance(at 70° F [21°C])	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm	
PHYSICAL       Ceramic       Ceramic         Sensing Element       Compression       Compression         Sensing Geometry       Compression       Compression         Housing Material       Inconel       Inconel         Sealing       Hermetic       Hermetic         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)       Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS       P- Positive Output Polarity       P	Insulation Resistance(900° F [482° C])	>100 kohm	>100 kohm	
Sensing Element       Ceramic       Ceramic         Sensing Geometry       Compression       Compression         Housing Material       Inconel       Inconel         Sealing       Hermetic       Hermetic         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)       Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS       P- Positive Output Polarity       P	Output Polarity	Negative	Negative	
Sensing Geometry     Compression     Compression       Housing Material     Inconel     Inconel       Sealing     Hermetic     Hermetic       Size (Hex x Height)     5/8 in x 1.0 in     5/8 in x 25.4 mm       Weight     1.1 oz     30 gm     [1]       Electrical Connector     10-32 Coaxial Jack     10-32 Coaxial Jack       Electrical Connection Position     Side     Side       Mounting Thread     10-32 Female     10-32 Female       SUPPLIED ACCESSORIES:     10-32 plug to 10-32 jack (1)       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)     Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)     Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS     P- Positive Output Polarity	PHYSICAL			
Housing Material       Inconel       Inconel         Sealing       Hermetic       Hermetic         Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS         P- Positive Output Polarity       P-	Sensing Element	Ceramic	Ceramic	
SealingHermeticHermeticSize (Hex x Height)5/8 in x 1.0 in5/8 in x 25.4 mmWeight1.1 oz30 gm [1]Electrical Connector10-32 Coaxial Jack10-32 Coaxial JackElectrical Connection PositionSideSideMounting Thread10-32 Female10-32 FemaleSUPPLIED ACCESSORIES:Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)Model 081A107 Mounting stud (10-32 to 10-32) (1)Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)OPTIONAL VERSIONSP- Positive Output Polarity		Compression	Compression	
Size (Hex x Height)       5/8 in x 1.0 in       5/8 in x 25.4 mm         Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS         P- Positive Output Polarity       P-	Housing Material	Inconel	Inconel	
Weight       1.1 oz       30 gm       [1]         Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS         P- Positive Output Polarity       P		Hermetic	Hermetic	
Electrical Connector       10-32 Coaxial Jack       10-32 Coaxial Jack         Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)       Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)       OPTIONAL VERSIONS         P- Positive Output Polarity       P	Size (Hex x Height)	5/8 in x 1.0 in	5/8 in x 25.4 mm	
Electrical Connection Position       Side       Side         Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Image: Content of the second	Weight	1.1 oz	30 gm	[1]
Mounting Thread       10-32 Female       10-32 Female         SUPPLIED ACCESSORIES:       Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)       Image: cable of the state of the stat	Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
SUPPLIED ACCESSORIES:         Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS         P- Positive Output Polarity	Electrical Connection Position			
Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 jack (1)         Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS         P- Positive Output Polarity	0	10-32 Female	10-32 Female	
Model 081A107 Mounting stud (10-32 to 10-32) (1)         Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS         P- Positive Output Polarity				
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)         Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1)         OPTIONAL VERSIONS         P- Positive Output Polarity	Model 023A10 Hardline cable, 10-ft, 10-32 plug to 10-32 j	ack (1)		
Model M081A107 Metric mounting stud (10-32 to M6 x 0.75) (1) OPTIONAL VERSIONS P- Positive Output Polarity				
OPTIONAL VERSIONS       P- Positive Output Polarity	Model ACS-1 NIST traceable frequency response (10 Hz	to upper 5% point). (1)		
P- Positive Output Polarity	Model M081A107 Metric mounting stud (10-32 to M6 x 0.7	75) (1)		
	OPTIONAL VERSIONS			
Output Polarity Positive	P- Positive Output Polarity			
	Output Polarity	Positive		

#### All specifications are at room temperature unless otherwise specified.

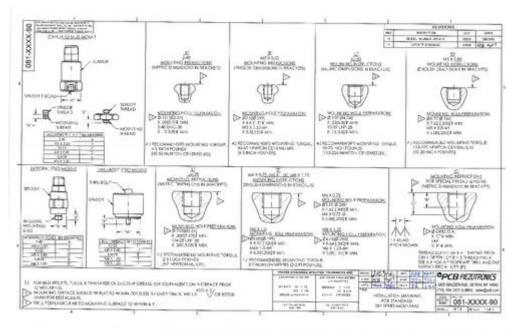
### NOTES:

Typical.
 Low frequency response is determined by external signal conditioning electronics.

[3] Zero-based, least-squares, straight line method.







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### Model 357A09

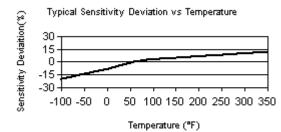
Product Type: Accelerometer, Vibration Sensor Miniature (0.6 gm) charge output accel., 1.7 pC/g, 10k Hz, titanium housing, 10-ft detachable cable

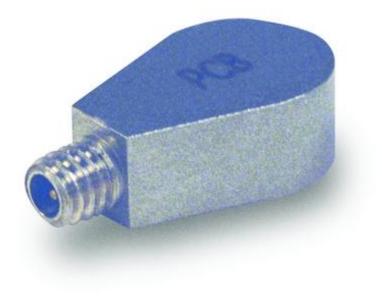
PERFORMANCE	ENGLISH	SI	
Sensitivity(± 20 %)	1.7 pC/g	0.17 pC/(m/s <sup>2</sup> )	
Measurement Range	± 2000 g pk	± 19,620 m/s² pk	
Frequency Range(+5 %)	10 kHz	10 kHz	[2]
Frequency Range(+10 %)	13 kHz	13 kHz	[2]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity	≤1%	≤1%	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
ENVIRONMENTAL			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s² pk	
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.10 g/με	≤ 1.0 (m/s²)/με	[1]
ELECTRICAL			
Capacitance	310 pF	310 pF	[1]
Insulation Resistance(at 70° F [21°C])	>10 <sup>10</sup> ohm	>10 <sup>10</sup> ohm	
Output Polarity	Negative	Negative	
PHYSICAL			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Ероху	Ероху	
Size (Height x Length x Width)	0.14 in x 0.45 in x 0.25 in	3.6 mm x 11.4 mm x 6.4 mm	
Weight	0.02 oz	0.6 gm	[1]
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	
SUPPLIED ACCESSORIES:			
Model 030A10 Coax Cable, 10 ft (3 m), 3-56	plug to 10-32 plug. (1)		
Model 039A27 One-piece removal tool for Mo	odels 352C22, 357C10, 352A2	1, & 357A09 (1)	
Model 080A109 Petro Wax (1)			
Model ACS-1 NIST traceable frequency resp	onse (10 Hz to upper 5% point	). (1)	
OPTIONAL VERSIONS			
P- Positive Output Polarity			
Output Polarity	Positive		

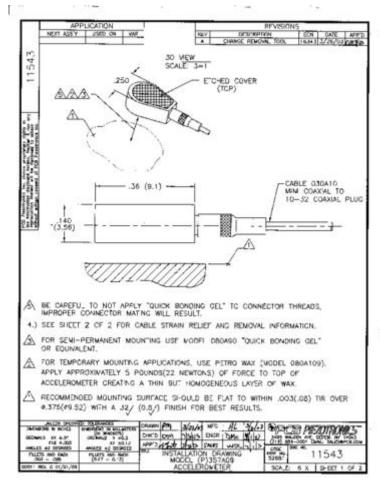
#### All specifications are at room temperature unless otherwise specified.

NOTES: [1] Typical.

[1] Typical.
[2] Low frequency response is determined by external signal conditioning electronics.
[3] Zero-based, least-squares, straight line method.
[4] Transverse sensitivity is typically ≤ 3%.







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# Model 357B03

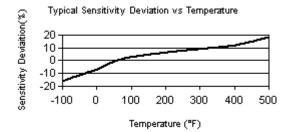
Product Type: Accelerometer, Vibration Sensor High temp., ceramic shear, charge output accel., 10 pC/g, 9k Hz, 10-32 side conn.(-95°F to +500°F)

PERFORMANCE	ENGLISH	SI	
Sensitivity(± 15 %)	10 pC/g	1.02 pC/(m/s <sup>2</sup> )	
Measurement Range	± 2000 g pk	± 19,600 m/s <sup>2</sup> pk	
Frequency Range(+5 %)	9 kHz	9 kHz	[2]
Frequency Range(+10 %)	12 kHz	12 kHz	[2]
Frequency Range(+3 dB)	18 kHz	18 kHz	[2]
Resonant Frequency	≥ 38 kHz	≥ 38 kHz	[-]
Non-Linearity	≤1%	≤ 1 %	[3]
Transverse Sensitivity	≤5%	<u>≤</u> 5%	[0]
ENVIRONMENTAL	= 0 /0	= 0 70	
Overload Limit(Shock)	± 21,000 g pk	± 206,010 m/s <sup>2</sup> pk	
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.0002 g/µε	0.002 (m/s²)/µε	[1]
ELECTRICAL	0.0002 g/µ2	0.002 (m/s //µc	[1]
Capacitance	930 pF	930 pF	[1]
Insulation Resistance(at 70° F [21°C])	≥ 10 <sup>12</sup> ohm	≥ 10 <sup>12</sup> ohm	ניו
Insulation Resistance(at 70 T [21 C])	$\geq 10^8$ ohm	$\ge 10^8$ ohm	[1]
Output Polarity	Negative	Negative	[1]
PHYSICAL	Negative	Negative	
Sensing Element	Ceramic	Ceramic	
	Shear	Shear	
Sensing Geometry		Titanium	
Housing Material	Titanium		
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	1/2 in x 0.81 in	1/2 in x 20.6 mm	[4]
Weight Electrical Connector	0.39 oz	11 gm 10-32 Coaxial Jack	[1]
	10-32 Coaxial Jack		
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	
SUPPLIED ACCESSORIES:			
Model 080A109 Petro Wax (1)	\ \		
Model 081B05 Mounting Stud (10-32 to 10-32) (1			
Model ACS-1 NIST traceable frequency response			
Model M081B05 Mounting Stud 10-32 to M6 X 0.	75 (1)		
OPTIONAL VERSIONS			
J- Ground Isolated			
Frequency Range(+5 %)	7 kHz	7 kHz	
Frequency Range(+10 %)	8 kHz	8 kHz	
Resonant Frequency	≥ 30 kHz	≥ 30 kHz	
Electrical Isolation(Base)	>10 <sup>8</sup> ohm		
Size - Hex x Height	0.5 in x 0.86 in	12.7 mm x 21.8 mm	
P- Positive Output Polarity	•		
Output Polarity	Positive		
W- Water Resistant Cable		1	
Electrical Connector	Sealed Integral Cable		

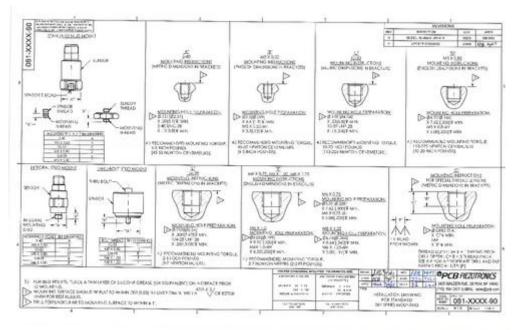
### All specifications are at room temperature unless otherwise specified.

NOTES: [1] Typical.

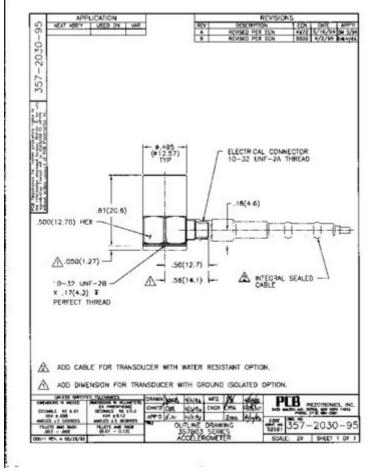
[2] Low frequency response is determined by external signal conditioning electronics.[3] Zero-based, least-squares, straight line method.







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