

| Model Number 356A70 | TRIAxIAL CHARGE OUTPUT ACCELEROMETER | | Revision: H ECN #: 40410 | | | | | | | | | | |
|---|---|------------------------------|--|--------------|---------------|------------|---------------|--------------|-----------------|-----------------|-----------------|-----------------|--------------|
| Performance | ENGLISH | SI | 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. M - Metric Mount Supplied Accessory : Model M039A23 Allen wrench, 4mm hex (1) Supplied Accessory : Model M081A46 Mounting stud, M5 X 0.80 X 14mm (1) P - Positive Output Polarity | | | | | | | | | | |
| Sensitivity(± 30 %) | 2.7 pC/g | 0.28 pC/(m/s ²) | | | | | | | | | | | |
| Measurement Range | ± 500 g pk | ± 4905 m/s ² pk | NOTES: [1] Typical. [2] Low frequency response is determined by external signal conditioning electronics. [3] Zero-based, least-squares, straight line method. | | | | | | | | | | |
| Frequency Range(+5 %) | 5 kHz | 5 kHz | | | | | | | | | | | |
| Frequency Range(+10 %) | 7 kHz | 7 kHz | | | | | | | | | | | |
| Resonant Frequency | ≥ 35 kHz | ≥ 35 kHz | SUPPLIED ACCESSORIES: Model 039A23 Allen wrench, 5/32" hex (1) Model 080A90 Quick Bonding Gel (1) Model 081A46 Mounting stud, 10-32 UNF, 0.56" long (1) Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1) | | | | | | | | | | |
| Non-Linearity | ≤ 1 % | ≤ 1 % | | | | | | | | | | | |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | <table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: MAM</td> <td>Sales: WDC</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 1/29/2013</td> <td>Date: 1/29/2013</td> <td>Date: 1/29/2013</td> <td>Date: 1/29/2013</td> <td>11999</td> </tr> </table> | Entered: AP | Engineer: MAM | Sales: WDC | Approved: BAM | Spec Number: | Date: 1/29/2013 | Date: 1/29/2013 | Date: 1/29/2013 | Date: 1/29/2013 | 11999 |
| Entered: AP | Engineer: MAM | Sales: WDC | Approved: BAM | Spec Number: | | | | | | | | | |
| Date: 1/29/2013 | Date: 1/29/2013 | Date: 1/29/2013 | Date: 1/29/2013 | 11999 | | | | | | | | | |
| Environmental | | | PCB PIEZOTRONICS TM 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com | | | | | | | | | | |
| Overload Limit(Shock) | ± 5000 g pk | ± 49,000 m/s ² pk | | | | | | | | | | | |
| Temperature Range | -95 to +490 °F | -70 to +254 °C | | | | | | | | | | | |
| Electrical | | | | | | | | | | | | | |
| Capacitance | 240 pF | 240 pF | [1] | | | | | | | | | | |
| Insulation Resistance(at 70° F [21° C]) | >10 ¹² Ohm | >10 ¹² Ohm | [1] | | | | | | | | | | |
| Insulation Resistance(at 490° F [254° C]) | >10 ⁸ Ohm | >10 ⁸ Ohm | [1] | | | | | | | | | | |
| Output Polarity | Negative | Negative | | | | | | | | | | | |
| Physical | | | | | | | | | | | | | |
| Sensing Element | Ceramic | Ceramic | | | | | | | | | | | |
| Sensing Geometry | Shear | Shear | | | | | | | | | | | |
| Housing Material | Titanium | Titanium | | | | | | | | | | | |
| Sealing | Hermetic | Hermetic | | | | | | | | | | | |
| Size (Length x Width x Height) | 0.73 in x 0.90 in x 0.40 in | 18.5 mm x 22.9 mm x 10.2 mm | [1] | | | | | | | | | | |
| Weight | 0.28 oz | 7.9 gm | | | | | | | | | | | |
| Electrical Connector | 5-44 Coaxial | 5-44 Coaxial | | | | | | | | | | | |
| Mounting | Through Hole | Through Hole | | | | | | | | | | | |
| Mounting Torque | 10 to 20 in-lb | 113 to 225 N-cm | | | | | | | | | | | |
| <i>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.</i> | | | | | | | | | | | | | |
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