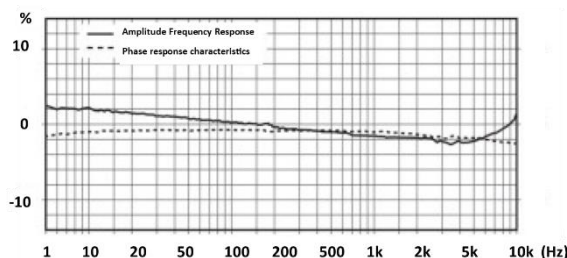
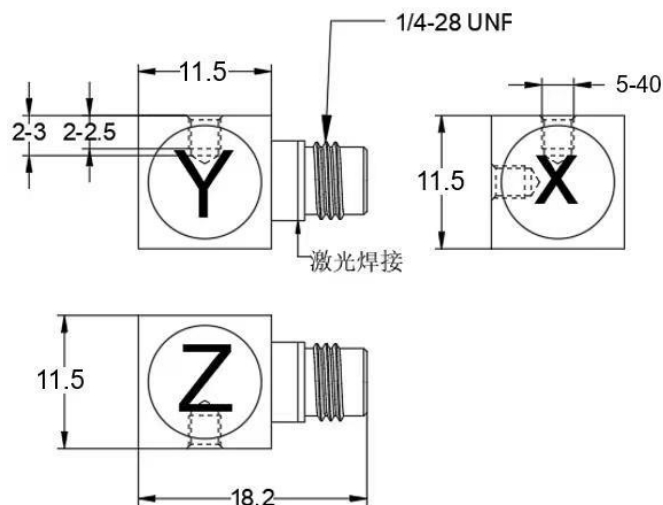


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 200mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 10.5grams
- ¼-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| Specification               | Metric                                        | Imperial            |
|-----------------------------|-----------------------------------------------|---------------------|
| Sensitivity                 | 20.4mV/(m/s <sup>2</sup> )                    | 200mV/g             |
| Measurement Range (pk)      | ±245m/s <sup>2</sup>                          | ±25g                |
| Frequency Range ±10%        | Y, Z Axes: 2 to 7000Hz<br>X Axis: 2 to 6000Hz |                     |
| Resonant Frequency          | ≥40 kHz                                       |                     |
| Non-Linearity               | ≤1 %                                          |                     |
| Transverse Sensitivity      | ≤5 %                                          |                     |
| Electrical Noise Floor      | 0.0005m/s <sup>2</sup> rms                    | 0.00005g rms        |
| Overload Limit (Shock)      | ±29400(m/s <sup>2</sup> )pk                   | ±3000gpk            |
| Operating Temp. Range       | -55 to +125°C                                 | -67 to +257°F       |
| Compliance Voltage (Supply) | +18 to +28 VDC                                |                     |
| Current range               | 2 – 10mA                                      |                     |
| Output Bias Voltage         | 11VDC ± 1.5VDC                                |                     |
| Size (excluding connector)  | 11.5x11.5x11.5 (mm)                           | 0.45x0.45x0.45 (in) |
| Weight                      | 10.5gm                                        | 0.37oz              |
| Sensing Geometry            | Shear                                         |                     |
| Sensing Element Material    | PZT-5                                         |                     |
| Case Material               | Titanium                                      |                     |
| Connector Position          | Side                                          |                     |
| Case sealing                | Hermetic                                      |                     |
| Electrical Connection Type  | ¼-28UNF 4 pin plug                            |                     |
| Mounting                    | 5-40UNC tapped base on two sides              |                     |

The SVT200S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 10.5grams it has an excellent frequency response with an increased sensitivity of 200mV/g which is ideal for measuring low level vibration or for use in Modal Testing applications.



Kemo has a range of cable assemblies available for use with the SVT200S-T

- 12F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F82-30 – 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F81-50 – 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 12F81-30 – 3m cable ending in 3 x microdot plugs (X, Y, Z)

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