Compact piezoelectric accelerometers
726 and 726T

SPECIFICATIONS

Sensitivity, ±5%, 25°C 100 mV/g
Acceleration range 80 g peak
Amplitude nonlinearity 1%
Frequency response:
  ±5% 2.0 - 10,000 Hz
  ±10% 1.0 - 12,000 Hz
  ±3 dB 0.6 - 15,000 Hz
Resonance frequency, mounted, nominal 32 kHz
Transverse sensitivity, max 5% of axial
Temperature response:
  –50°C –10% +5%
  +120°C
Power requirement:
  Voltage source 18 - 30 VDC
  Current regulating diode 2 - 10 mA
Electrical noise, equiv. g, nominal:
  Broadband 2.5 Hz to 25 kHz 60 µg
  Spectral
    10 Hz 8.0 µg/√Hz
    100 Hz 0.8 µg/√Hz
    1,000 Hz 0.3 µg/√Hz
    10,000 Hz 0.2 µg/√Hz
Output impedance, max 100 Ω
Bias output voltage, nominal 12 VDC
Grounding: 726 (side connector) case grounded
726T (top connector) base isolated
Temperature range –50° to +120°C
Vibration limit 500 g peak
Shock limit 5,000 g peak
Electromagnetic sensitivity at 60 Hz 40 µg/gauss
Base strain sensitivity 0.002 g/μstrain
Weight:
  726 30 grams
  726T 34 grams
Case material 316L stainless steel
Mounting 10-32 tapped hole
Output connector 10-32 coaxial
Mating connector R1
Recommended cabling J93

Accessories supplied: SF1 mounting stud; calibration data (level 3)

Key features

• Wide frequency range
• Low noise floor
• Manufactured in ISO 9001 facility

Note: Due to continuous process improvement, specifications are subject to change without notice.
This document is cleared for public release.