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Manufacturers' Specifications

Bruel & Kjaer 4366 - Accelerometer

Piezoelectric Charge Accelerometer

Charge sensitivity : 5 pC/ms⁻² or 50 pC/g ± 2 % **

Voltage sensitivity : 4 mV/ms⁻² or 40 mV/g ± 2 % **

Mounted resonance : 16 kHz

Frequency range - 5 % : 0.2 Hz to 5000 Hz

Frequency range - 10 % : 0.1 Hz to 8000 Hz

Capacitance - typical : 1100 pF excluding cable

Max transverse sensitivity : < 2 %

Piezoelectric material : PZ23

Construction : Delta shear

Typical temperature transient sensitivity : 0.02 ms^{-2/°}

Typical magnetic sensitivity (50 Hz to 0.03T) : 1 ms⁻²/tesla

Typical acoustic sensitivity (154 dB SPL) : 0.001 ms⁻²

Minimum leakage resistance at 20 °C : 20 GΩ

Ambient temperature range : -74 to 250 °C

Maximum operational shock (Peak) : ± 20 kms⁻²;

Maximum continuous sinusoidal acceleration (Peak) : 20 kms⁻²

Maximum acceleration (Peak) with mounting magnet : 50 kms⁻²

Electrical Connector : 10-32 UNF, side entry

Recommended cable : AO 0038

Mechanical

Mounting thread : 10-32 UNF, 3.2 mm deep

Mounting torque : 1 Nm, max = 2 Nm, min = 0.5 Nm

Dimensions - body : 16 mm diameter

Dimensions - overall height : 19 mm

Dimension - across base flats : 16 mm - spanner size

Case Material : Stainless steel

Weight : 28 g

** Individual specifications given in the calibration chart



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