

3713B1150G电容加速度传感器

产品名称	3713B1150G电容加速度传感器
公司名称	上海持承自动化设备有限公司
价格	145.00/个
规格参数	PCB:40 mV/g 3713B: ± 50 g pk 美国:0 to 1000 Hz
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产品详情

3713B1150G电容加速度传感器

Platinum Stock Products; Triaxial MEMS DC accelerometer, 40 mV/g, +/-50 g, +6 to 30 VDC excitation

Sensitivity: (± 5%) 40 mV/g(4.1 mV/(m/s))

Measurement Range: ± 50 g pk(± 490.5 m/s pk)

Electrical Connector: 9-Pin

Weight: 0.6 oz(17.3 gm)

English:SI: PERFORMANCE Sensitivity (± 5 %)40 mV/g4.1 mV/(m/s)[3] Measurement Range ± 50 g pk ± 490.5 m/s pk Frequency Range (± 5 %)0 to 1000 Hz0 to 1000 Hz Frequency Range (± 10 %)0 to 1300 Hz0 to 1300 Hz Resonant Frequency 5.1 kHz 5.1 kHz Phase Response (100 Hz)<10 ° <10 ° Non-Linearity 1 % 1 % [1] Broadband Resolution (0.5 to 100 Hz)6.0 mg rms0.059 m/s rms [2] Transverse Sensitivity 3 % 3 % ENVIRONMENTAL Overload Limit (Shock) ± 3000 g pk ± 29420 m/s pk Temperature Range (Operating)-65 to +250 ° F-54.0 to +121 ° C Temperature Range (Storage)-65 to +250 ° F-54.0 to +121 ° C Temperature Coefficient of Sensitivity ± 3 % ± 3 % [5] Zero g Offset Temperature Coefficient ± 2 % FSO ± 2 % FSO [4] [5] Base Strain Sensitivity.001 g/ .01 (m/s)/ [2] Magnetic Sensitivity40 g/gauss3.9 (m/s)/Tesla [2] ELECTRICAL Excitation Voltage6 to 30 VDC6 to 30 VDC Current Consumption 6 mA 6 mA Output Impedance 100 Ohm 100 Ohm Offset Voltage ± 40 mVDC ± 40 mVDC [6] Spectral Noise (1 to 100 Hz)600 g/ Hz5890 (m/sec²)/ Hz [2] Electrical Isolation (Case)>100000000 Ohm>100000000 Ohm PHYSICAL Housing Material Titanium Titanium Sealing Hermetic Hermetic Size - Length 0.8 in20.3 mm Size - Width 0.8 in20.3 mm Size - Height 0.8 in20.3 mm Weight 0.6 oz17.3 gm Electrical Connector 9-Pin 9-Pin Electrical Connection Position Side Side Mounting Thread 10-32 Female 10-32 Female

All specifications are at room temperature unless otherwise specified.

Product Notes

[1] Zero-based, least-squares, straight line method.[2] Typical.[3] Measured at 100 Hz, 10 grms.[4] FSO = Full Scale Output over the Measurement Range (4VDC).[5] -65 to +250 ° F, ref. 75 ° F (-54 to +121 ° C, ref. 24 ° C)[6] Offset tolerance is based on 10 ft of 037 test cable.[7] See PCB Declaration of Conformance PS027 for details.

Accessories:

Supplied 080A12 Adhesive Mounting Base(1) 081B05 Mounting Stud (10-32 to 10-32)(1) ACS-103T Triaxial Calibration Phase and Magnitude from 2 Hz to +5% using Linear scale(1) M081B05 Mounting Stud 10-32 to M6 X 0.75(1)

037P10 : 10-conductor shielded cable, 10-ft, 9-socket plug to pigtails