

320C03美国PCB传感器报价

产品名称	320C03美国PCB传感器报价
公司名称	上海持承自动化设备有限公司
价格	101.00/个
规格参数	PCB:10 mV/g 320C03: ± 500 g pk 美国:U.S.A
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产品详情

320C03美国PCB传感器报价

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ESS general purpose, quartz shear ICP accel., 10 mV/g, 1 to 6k Hz, 10-32 side conn., to +325 F/+163 C

Sensitivity: (± 10%) 10 mV/g (1.02 mV/(m/s))

Measurement Range: ± 500 g pk (± 4900 m/s pk)

Broadband Resolution: 0.003 g rms (0.03 m/s rms)

Frequency Range: (± 5%) 1 to 6000 Hz

Sensing Element: Quartz

Weight: 0.38 oz (10.5 gm)

PERFORMANCE
Sensitivity (± 10 %) 10 mV/g 1.02 mV/(m/s)
Measurement Range ± 500 g pk ± 4900 m/s pk
Frequency Range (± 5 %) 1 to 6000 Hz 1 to 6000 Hz
Frequency Range (± 10 %) 0.7 to 9000 Hz 0.7 to 9000 Hz
Frequency Range (± 3 dB) 0.35 to 15000 Hz 0.35 to 15000 Hz
Resonant Frequency 35 kHz 35 kHz
Broadband Resolution (1 to 10000 Hz) 0.003 g rms 0.03 m/s rms
[2] Non-Linearity 1 % 1 %
[1] Transverse Sensitivity 5 % 5 %
[3] ENVIRONMENTAL
Overload Limit (Shock) ± 10000 g pk ± 98100 m/s pk
Temperature Range (Operating) -100 to +325 ° F -73 to +163 ° C
Temperature Response See Graph %/ ° F See Graph %/ ° F
[2] Base Strain Sensitivity 0.0005 g/ 0.005 (m/s)/ [2] ELECTRICAL
Excitation Voltage 18 to 30 VDC 18 to 30 VDC
Constant Current Excitation 2 to 20 mA 2 to 20 mA
Output Impedance 100 Ohm 100 Ohm
Output Bias Voltage 8 to 12 VDC 8 to 12 VDC
Discharge Time Constant 0.5 to 2.6 sec 0.5 to 2.6 sec
Settling Time (within 10% of

bias) < 7 sec < 7 sec Spectral Noise (1 Hz) 2800 g/ Hz 27468 (m/sec²)/ Hz [2] Spectral Noise (10 Hz) 700 g/ Hz 6867 (m/sec²)/ Hz [2] Spectral Noise (100 Hz) 180 g/ Hz 1766 (m/sec²)/ Hz [2] Spectral Noise (1 kHz) 64 g/ Hz 628 (m/sec²)/ Hz [2] PHYSICAL Size - Height 0.81 in 20.6 mm Weight 0.38 oz 10.5 gm [2] Sensing Element Quartz Quartz Size - Hex 0.50 in 12.7 mm Sensing Geometry Shear Shear Housing Material Titanium Titanium Sealing Welded Hermetic Welded Hermetic Electrical Connector 10-32 Coaxial Jack 10-32 Coaxial Jack Electrical Connection Position Side Side Mounting Thread 10-32 Female 10-32 Female Mounting Torque 10 to 20 in-lb 113 to 225 N-cm

All specifications are at room temperature unless otherwise specified.

Product Notes

[1] Zero-based, least-squares, straight line method. [2] Typical. [3] Transverse sensitivity is typically $\leq 3\%$. [4] See PCB Declaration of Conformance PS023 for details.

Accessories:

Supplied 080A109 Petro Wax (1) 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Optional Versions:

(J) Ground Isolated

ENGLISH SI Frequency Range 4000 Hz Frequency Range 7000 Hz Frequency Range 10000 Hz Resonant Frequency 22 kHz Electrical Isolation > 100000000 Ohm Size - Hex 0.50 in 12.7 mm Size - Height 0.86 in 21.9 mm

(W) Water Resistant Cable

ENGLISH SI Electrical Connection Position Side

Model: 003C10

Low-noise coaxial cable, blue TFE jacket, 10-ft, 10-32 coaxial plug to BNC plug