

美国PCB/356A13三轴传感器样本选型

产品名称	美国PCB/356A13三轴传感器样本选型
公司名称	上海持承自动化设备有限公司
价格	106.00/个
规格参数	PCB:5 mV/g 356a13: ± 1000 g pk 美国:2 to 8000 Hz
公司地址	上海市金山区吕巷镇干巷荣昌路318号3幢1018室
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产品详情

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美国PCB/356A13三轴传感器参数齐全

Triaxial, lightweight (1.0 gm) miniature, ceramic shear ICP accel., 5mV/g, 0.25" cube with flexible integral cable

Sensitivity: (± 20%) 5 mV/g(0.51 mV/(m/s))

Measurement Range: ± 1000 g pk(± 9810 m/s pk)

Electrical Connector: Integral Cable

All specifications are at room temperature unless otherwise specified. Product Notes

[1] Zero-based, least-squares, straight line method.[2] Typical.[3] 250 ° F to 325 ° F data valid with HT option only.[4] To ensure EMI and cross talk does not affect the noise specification, the integral cable is limited to 5 feet.[5] See PCB Declaration of Conformance PS023 for details.

Accessories:

Supplied

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Optional Versions:

(HT) High temperature, extends normal operation temperatures

	ENGLISH	SI	
Temperature Range	-65 to +325	-54 to +163	
Shock Resistance			
Sensitivity (± 20 %)	5 mV/g	0.51 mV/(m/s)	
Measurement Range	± 1000 g pk	± 9810 m/s pk	
Frequency Range (± 5 %) (y or z axis)	2 to 8000 Hz	2 to 8000 Hz	
Frequency Range (± 5 %) (x axis)	2 to 5000 Hz	2 to 5000 Hz	
Frequency Range (+1 dB) (x axis)	8000 Hz	8000 Hz	
Resonant Frequency	50 kHz	50 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 %	
Environmental			
Overload Limit (Shock)	± 10000 g pk	± 98100 m/s pk	

Temperature Range (Operating)	-65 to +250 ° F	-54 to +121 ° C	[3]
Temperature Response	See Graph %/ ° F	See Graph %/ ° F	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	200 Ohm	200 Ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.24 to 1.0 sec	0.24 to 1.0 sec	
Settling Time (within 10% of bias)	<3 sec	<3 sec	
Spectral Noise (1 Hz)	1200 g/ Hz	11772 (m/sec ²)/ Hz	[2]
Spectral Noise (10 Hz)	300 g/ Hz	2943 (m/sec ²)/ Hz	[2]
Spectral Noise (100 Hz)	100 g/ Hz	981 (m/sec ²)/ Hz	[2]
Spectral Noise (1 kHz)	30 g/ Hz	294 (m/sec ²)/ Hz	[2]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size - Height	0.25 in	6.35 mm	
Size - Length	0.375 in	9.53 mm	
Size - Width	0.25 in	6.35 mm	
Weight (without cable)	0.04 oz	1.0 gm	[2]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack	
Cable Length	5 ft	1.5 m	[4]
Cable Type	099 Twisted 4-cond	099 Twisted 4-cond	
Mounting	Adhesive	Adhesive	