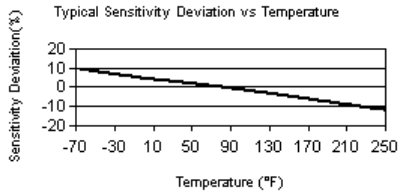
Model Number 352A73	ICP® ACCELEROMETER	Revision B ECN #: 21370

Performance	ENGLISH	SI	
Sensitivity (±20 %)	5 mV/g	0.51 mV/(m/s²)	
Measurement Range	±1000 g pk	±9810 m/s² pk	
Frequency Range (±5 %)	2.0 to 10000 Hz	2.0 to 10000 Hz	
Frequency Range (±10 %)	1.5 to 25000 Hz	1.5 to 25000 Hz	
Frequency Range (±3 dB)	0.7 to 40000 Hz	0.7 to 40000 Hz	
Resonant Frequency	≥70 kHz	≥70 kHz	
Broadband Resolution (1 to 10000 Hz)	0.002 g rms	0.02 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±10000 g pk	±98000 m/s² pk	
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
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 11 VDC	7 to 11 VDC	
Discharge Time Constant	0.2 to 1.0 sec	0.2 to 1.0 sec	
Settling Time (within 10% of bias)	<3 sec	<3 sec	
Spectral Noise (1 Hz)	875 µg/√Hz	8580 (µm/sec^2/√Hz	[1]
Spectral Noise (10 Hz)	150 µg/√Hz	1470 (µm/sec^2/√Hz	[1]
Spectral Noise (100 Hz)	45 µg/√Hz	440 (µm/sec^2/√Hz	[1]
Spectral Noise (1 kHz)	20 µg/√Hz	196 (µm/sec^2/√Hz	[1]
Spectral Noise (10 kHz)	10 µg/√Hz	98 (µm/sec^2/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	.11 in x 0.34 in x 0.16 in	2.8 mm x 8.6 mm x 4.1 mm	
Weight (without cable)	0.01 oz	0.3 gm	[1]
Electrical Connector	Solder pins with attached cable	Solder pins with attached cable	
Electrical Connection Position	Side	Side	
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug	
Cable Length	10 ft	3.05 m	[3]
Mounting	Adhesive	Adhesive	



Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

Notes

[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial).
[4] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

039A26 Removal Tool (1)
080A109 Petro Wax (1)
ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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