

Model Number
352C23

ACCELEROMETER, ICP®

Revision D
ECN #: 35759

Performance

	ENGLISH	SI
Sensitivity (±20 %)	5 mV/g	0.5 mV/(m/s ²)
Measurement Range	±1000 g pk	±9810 m/s ² pk
Frequency Range (±5 %)	2.0 to 10000 Hz	2.0 to 10000 Hz
Frequency Range (±10 %)	1.5 to 15000 Hz	1.5 to 15000 Hz
Frequency Range (±3 dB)	0.7 to 25000 Hz	0.7 to 25000 Hz
Resonant Frequency	≥70 kHz	≥70 kHz
Broadband Resolution (1 to 10000 Hz)	0.003 g rms	0.03 m/s ² rms
Non-Linearity	≤1 %	≤1 %
Transverse Sensitivity	≤5 %	≤5 %

Environmental

	ENGLISH	SI
Overload Limit (Shock)	±10000 g pk	±98000 m/s ² pk
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C
Temperature Response	See Graph	See Graph

Electrical

	ENGLISH	SI
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	0.24 to 1.0 sec	0.24 to 1.0 sec
Settling Time (within 10% of bias)	<3 sec	<3 sec
Spectral Noise (1 Hz)	1500 µg/√Hz	14715 (µm/sec ² /√Hz)
Spectral Noise (10 Hz)	400 µg/√Hz	3924 (µm/sec ² /√Hz)
Spectral Noise (100 Hz)	120 µg/√Hz	1177 (µm/sec ² /√Hz)
Spectral Noise (1 kHz)	30 µg/√Hz	294 (µm/sec ² /√Hz)
Spectral Noise (10 kHz)	20 µg/√Hz	196 (µm/sec ² /√Hz)
Electrical Isolation (Base)	>10 ⁸ ohm	>10 ⁸ ohm

Physical

	ENGLISH	SI
Sensing Element	Ceramic	Ceramic
Sensing Geometry	Shear	Shear
Housing Material	Anodized Aluminum	Anodized Aluminum
Sealing	Epoxy	Epoxy
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	0.007 oz	0.2 gm
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack
Electrical Connection Position	Side	Side
Mounting	Adhesive	Adhesive

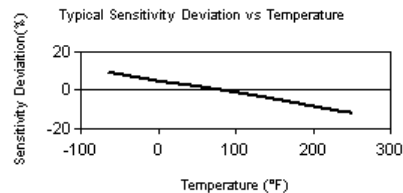
Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

Notes

- [1] Typical.
- [2] Zero-based, least-squares, straight line method.
- [3] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

- 030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1)
- 039A26 Removal Tool (1)
- 080A109 Petro Wax (1)
- ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)



Entered: LLH	Engineer: SDS	Sales: WDC	Approved: JJB	Spec Number:
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All specifications are at room temperature unless otherwise specified.

In the interest of constant product improvement, we reserve the right to change specifications without notice.

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