

Model Number 352A56		ACCELEROMETER, ICP®		Revision E ECN #: 33003	
Performance		ENGLISH		SI	
Sensitivity (±10 %)		100 mV/g		10.2 mV/(m/s²)	
Measurement Range		±50 g pk		±490 m/s² pk	
Frequency Range (±5 %)		0.5 to 10000 Hz		0.5 to 10000 Hz	
Frequency Range (±10 %)		0.3 to 15000 Hz		0.3 to 15000 Hz	
Resonant Frequency		≥45 kHz		≥45 kHz	
Broadband Resolution (1 to 10000 Hz)		0.0006 g rms		0.006 m/s² rms	
Non-Linearity		≤1 %		≤1 %	
Transverse Sensitivity		≤5 %		≤5 %	
TEDS Compliant		Yes		Yes	
Environmental					
Overload Limit (Shock)		±5000 g pk		±49050 m/s² pk	
Temperature Range (Operating)		-65 to +250 °F		-54 to +121 °C	
Temperature Response		See Graph		See Graph	
Electrical					
Excitation Voltage		22 to 30 VDC		22 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤200 ohm		≤200 ohm	
Output Bias Voltage		8.5 to 15.5 VDC		8.5 to 15.5 VDC	
Discharge Time Constant		0.5 to 1.5 sec		0.5 to 1.5 sec	
Settling Time (within 10% of bias)		<5 sec		<5 sec	
Spectral Noise (1 Hz)		120 µg/√Hz		1180 (µm/sec²)/√Hz	
Spectral Noise (10 Hz)		40 µg/√Hz		392 (µm/sec²)/√Hz	
Spectral Noise (100 Hz)		30 µg/√Hz		294 (µm/sec²)/√Hz	
Spectral Noise (1 kHz)		10 µg/√Hz		98.1 (µm/sec²)/√Hz	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Size (Height x Length x Width)		0.26 in x 0.57 in x 0.30 in		6.6 mm x 14.5 mm x 7.6 mm	
Weight		0.06 oz		1.8 gm	
Electrical Connector		5-44 Coaxial		5-44 Coaxial	
Electrical Connection Position		Side		Side	
Mounting		Adhesive		Adhesive	

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