

Model Number 352A25		ACCELEROMETER, ICP®		Revision A ECN #: 19629	
Performance		ENGLISH		SI	
Sensitivity (±15 %)		2.5 mV/g		0.25 mV/(m/s²)	
Measurement Range		±2000 g pk		±19600 m/s² pk	
Frequency Range (±5 %)		1.0 to 10000 Hz		1.0 to 10000 Hz	
Frequency Range (±10 %)		0.7 to 13000 Hz		0.7 to 13000 Hz	
Frequency Range (±3 dB)		0.3 to 20000 Hz		0.3 to 20000 Hz	
Resonant Frequency		≥80 kHz		≥80 kHz	
Broadband Resolution (1 to 10000 Hz)		0.01 g rms		0.1 m/s² rms	
Non-Linearity		≤1 %		≤1 %	
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	
Electrical					
Excitation Voltage		18 to 30 VDC		18 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤300 ohm		≤300 ohm	
Output Bias Voltage		7 to 11 VDC		7 to 11 VDC	
Discharge Time Constant		1.0 to 3.5 sec		1.0 to 3.5 sec	
Settling Time (within 10% of bias)		<3 sec		<3 sec	
Spectral Noise (1 Hz)		4500 µg/√Hz		44100 (µm/sec²)/√Hz	
Spectral Noise (10 Hz)		1250 µg/√Hz		12250 (µm/sec²)/√Hz	
Spectral Noise (100 Hz)		300 µg/√Hz		2940 (µm/sec²)/√Hz	
Spectral Noise (1 kHz)		100 µg/√Hz		980 (µm/sec²)/√Hz	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Epoxy		Epoxy	
Size (Height x Length x Width)		.14 in x 0.45 in x 0.25 in		3.6 mm x 11.4 mm x 6.4 mm	
Weight		0.02 oz		0.6 gm	
Electrical Connector		3-56 Coaxial Jack		3-56 Coaxial Jack	
Electrical Connection Position		Side		Side	
Mounting		Adhesive		Adhesive	

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