

Model Number 356M265		TRIAxIAL ICP® ACCELEROMETER		Revision: NR ECN #: 55510	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		100 mV/g		10.2 mV/(m/s ²)	
Measurement Range		± 50 g pk		± 491 m/s ² pk	
Frequency Range(+7/-5 %)		0.5 to 3,000 Hz		0.5 to 3,000 Hz	
Frequency Range(± 10 %)		0.2 to 4,000 Hz		0.2 to 4,000 Hz	
Resonant Frequency		≥ 14 kHz		≥ 14 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.00007 Hz		0.0007 m/s ² rms	
Phase Response(± 2 °)(at 70°F [21°C])		2 to 3,000 Hz		2 to 3,000 Hz	
Non-Linearity		≤ 1 %		≤ 1 %	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
TEDS Compliant(Per IEEE 1451.4)		Yes		Yes	
Environmental					
Overload Limit(Shock)		± 5,000 g pk		± 49,000 m/s ² pk	
Temperature Range(Operating)		-15 to +150 °F		-26 to +66 °C	
Temperature Response		See Graph		See Graph	
Base Strain Sensitivity		0.001 g/μϵ		0.01 (m/s ²)/μϵ	
Electrical					
Excitation Voltage		18 to 30 VDC		18 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤ 100 Ohm		≤ 100 Ohm	
Output Bias Voltage		7.5 to 13 VDC		7.5 to 13 VDC	
Discharge Time Constant		3 to 8 sec		3 to 8 sec	
Settling Time(within 10% of bias)		< 30 sec		< 30 sec	
Spectral Noise(1 Hz)		25 μg/√Hz		245 (μm/sec ²)/√Hz	
Spectral Noise(10 Hz)		6 μg/√Hz		60 (μm/sec ²)/√Hz	
Spectral Noise(100 Hz)		2 μg/√Hz		20 (μm/sec ²)/√Hz	
Spectral Noise(1 kHz)		1 μg/√Hz		9.8 (μm/sec ²)/√Hz	
Spectral Noise(10 kHz)		0.5 μg/√Hz		4.9 (μm/sec ²)/√Hz	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Size (Height x Length x Width)		0.55 in x 0.90 in x 0.55 in		14.0 mm x 22.9 mm x 14.0 mm	
Weight		0.42 oz		12 gm	
Electrical Connector		1/4-28 4-Pin		1/4-28 4-Pin	
Electrical Connection Position		Side		Side	
Mounting Thread		5-40 Female		5-40 Female	
Mounting Torque		4 to 5 in-lb		45 to 56 N-cm	