

Model Number 352C22		ICP® ACCELEROMETER		Revision F ECN #: 21658	
Performance		ENGLISH		SI	
Sensitivity (±15 %)		10 mV/g		1.0 mV/(m/s²)	
Measurement Range		±500 g pk		±4900 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		≥50 kHz		≥50 kHz	
Broadband Resolution (1 to 10000 Hz)		0.002 g rms		0.02 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)		800 µg/√Hz		7840 (µm/sec²)/√Hz	
Spectral Noise (10 Hz)		250 µg/√Hz		2450 (µm/sec²)/√Hz	
Spectral Noise (100 Hz)		60 µg/√Hz		590 (µm/sec²)/√Hz	
Spectral Noise (1 kHz)		20 µg/√Hz		196 (µm/sec²)/√Hz	
Spectral Noise (10 kHz)		10 µg/√Hz		98 (µm/sec²)/√Hz	
Electrical Isolation (Base)		>10 ⁸ ohm		>10 ⁸ ohm	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Anodized Aluminum		Anodized Aluminum	
Sealing		Epoxy		Epoxy	
Size (Height x Length x Width)		0.14 in x 0.45 in x 0.25 in		3.6 mm x 11.4 mm x 6.4 mm	
Weight		0.017 oz		0.5 gm	
Electrical Connector		3-56 Coaxial Jack		3-56 Coaxial Jack	
Electrical Connection Position		Side		Side	
Mounting		Adhesive		Adhesive	

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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