

Model Number 352A57		ICP® ACCELEROMETER		Revision: NR ECN #: 44011	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)		2.50 mV/g	0.255 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 2000 g pk	± 19,620 m/s² pk	TLA - TEDS LMS International - Free Format	
Frequency Range(± 5 %)		0.5 to 10,000 Hz	0.5 to 10,000 Hz	TLB - TEDS LMS International - Automotive Format	
Frequency Range(± 10 %)		0.3 to 15,000 Hz	0.3 to 15,000 Hz	TLC - TEDS LMS International - Aeronautical Format	
Resonant Frequency		≥ 45 kHz	≥ 45 kHz	TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4	
Broadband Resolution(1 to 10,000 Hz)		0.001 g rms	0.01 m/s² rms		
Non-Linearity(1000 g, 9800 m/s²)		≤ 1 %	≤ 1 %		
Non-Linearity(2000 g, 19620 m/s²)		<2 %	<2 %		
Transverse Sensitivity		≤ 5 %	≤ 5 %		
TEDS Compliant(Per IEEE P1451.4)		Yes	Yes		
Environmental					
Overload Limit(Shock)		± 5000 g pk	± 49,050 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 2.0 sec	0.5 to 2.0 sec		
Settling Time(within 10% of bias)		<5 sec	<5 sec		
Spectral Noise(1 Hz)		500. µg/√Hz	4905 (µm/sec²)/√Hz		
Spectral Noise(10 Hz)		50 µg/√Hz	491 (µm/sec²)/√Hz		
Spectral Noise(100 Hz)		20 µg/√Hz	196 (µm/sec²)/√Hz		
Spectral Noise(1 kHz)		15 µg/√Hz	147 (µm/sec²)/√Hz		
Physical					
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		0.047 oz	1.33 gm		
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Hermetic	Hermetic		
Electrical Connector		5-44 Coaxial	5-44 Coaxial		
Electrical Connection Position		Side	Side		
Mounting		Adhesive	Adhesive		