

Model Number 357B40		CHARGE OUTPUT ACCELEROMETER			Revision: D ECN #: 46956	
Performance		ENGLISH	SI	OPTIONAL VERSIONS		
Sensitivity(± 20 %)		5.0 pC/g	0.51 pC/(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		± 1000 g pk	± 9810 m/s² pk	P - Positive Output Polarity		
Frequency Range(+5 %)		10 kHz	10 kHz	Output Polarity		
Frequency Range(+10 %)		13 kHz	13 kHz	Positive		
Resonant Frequency		≥ 40 kHz	≥ 40 kHz	Positive		
Non-Linearity		≤ 1 %	≤ 1 %			
Transverse Sensitivity		≤ 5 %	≤ 5 %			
Environmental						
Overload Limit(Shock)		± 5000 g pk	± 49,000 m/s² pk			
Temperature Range		-65 to +495 °F	-54 to +257 °C			
Temperature Response		See Graph	See Graph			
Base Strain Sensitivity		0.01 g/με	0.1 (m/s²)/με			
Electrical				NOTES:		
Capacitance		680 pF	680 pF	[1] Typical.		
Insulation Resistance(at 495°F [257°C])		>10 ⁷ Ohm	>10 ⁷ Ohm	[2] Low frequency response is determined by external signal conditioning electronics.		
Insulation Resistance(at 70° F [21°C])		>10 ¹² Ohm	>10 ¹² Ohm	[3] Zero-based, least-squares, straight line method.		
Output Polarity		Negative	Negative	[4] See PCB Declaration of Conformance PS081 for details.		
Physical						
Sensing Element		Ceramic	Ceramic			
Sensing Geometry		Shear	Shear			
Housing Material		Titanium	Titanium			
Sealing		Hermetic	Hermetic			
Size (Height x Length x Width)		0.4 in x 0.63 in x 0.4 in	10.2 mm x 16 mm x 10.2 mm			
Weight		0.15 oz	4.3 gm			
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack			
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			
		Typical Sensitivity Deviation vs Temperature				
						