

Model Number 357A63	CHARGE OUTPUT ACCELEROMETER				Revision: B ECN #: 48071
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)		.53 pC/g	.054 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		± 5000 g pk	± 49,050 m/s² pk		
Frequency Range(± 10 %)		10 kHz	10 kHz	[2]	
Resonant Frequency		45 kHz	45 kHz	[1]	
Non-Linearity		≤ 1 %	≤ 1 %	[3]	
Transverse Sensitivity		≤ 3 %	≤ 3 %		
Environmental					
Overload Limit(Shock)		± 5000 g pk	± 49,050 m/s² pk		
Temperature Range		-65 to +900 °F	-54 to +482 °C		
Temperature Response		See Graph	See Graph	[1]	
Base Strain Sensitivity		.003 g/με	.02 (m/s²)/με	[1]	
Radiation Exposure Limit(Integrated Neutron Flux)		1 E10 N/cm²	1 E10 N/cm²		
Radiation Exposure Limit(Integrated Gamma Flux)		1 E8 rad	1 E8 rad		
Electrical				NOTES:	
Capacitance		60 pF	60 pF	[1]	[1] Typical.
Insulation Resistance(at 70°F [21°C])		>1 GOhm	>1 GOhm		[2] Low frequency response is determined by external signal conditioner
Insulation Resistance(at 900° F [482°C])		>1 MOhm	>1 MOhm		[3] Zero-based, least-squares, straight line method.
Output Polarity		Positive	Positive		[4] See PCB Declaration of Conformance PS081 for details.
Electrical Isolation		Signal Isolated from Case	Signal Isolated from Case		
Physical					
Sensing Element		UHT-12™	UHT-12™		
Sensing Geometry		Shear	Shear		
Housing Material		Inconel	Inconel		
Sealing		Hermetic	Hermetic		
Size (Height x Length x Width)		.4 in x .4 in x .4 in	10.2 mm x 10.2 mm x 10.2 mm		
Weight		.31 oz	8.7 gm	[1]	
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack		
Electrical Connection Position		Side	Side		
Mounting Thread		5-40 Female	5-40 Female		
Typical Sensitivity Deviation vs Temperature					
[4]					
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. ICP® is a registered trademark of PCB Group, Inc.					
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