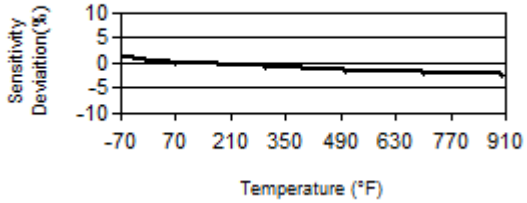
Model Number	CHARGE OUTPUT ACCELEROMETER	Revision: B
357A63		ECN #: 48071

Performance	**ENGLISH**	**SI**	
Sensitivity(± 10 %)	.53 pC/g	.054 pC/(m/s²)	
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			
Capacitance	60 pF	60 pF	[1]
Insulation Resistance(at 70°F [21°C])	>1 GOhm	>1 GOhm	
Insulation Resistance(at 900° F [482°C])	>1 MOhm	>1 MOhm	
Output Polarity	Positive	Positive	
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	

CE [4]

Typical Sensitivity Deviation vs Temperature



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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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Typical.
[2] Low frequency response is determined by external signal conditioner
[3] Zero-based, least-squares, straight line method.
[4] See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

Model 64287-01 Mounting Stud 5-40 to 10-32 (2)
Model ACS-44 Extended amplitude response, upper 5% point to 10% point (requires ACS-1 or equivalent). (1)

Entered: LK	Engineer: JJD	Sales: MC	Approved: NJF	Spec Number:
Date: 3/30/2018	Date: 3/30/2018	Date: 3/30/2018	Date: 3/30/2018	**64268**

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