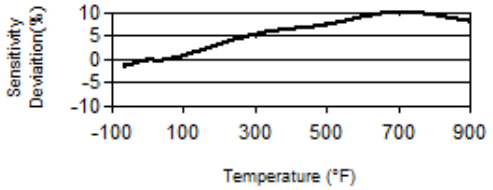
Model Number	CHARGE OUTPUT ACCELEROMETER	Revision: A
EX619A11		ECN #: 47847

Performance	**ENGLISH**	**SI**	
Sensitivity(± 5 %)	50 pC/g	5.1 pC/(m/s²)	
Measurement Range	± 500 g pk	± 4905 m/s² pk	
Frequency Range(± 5 %)	3 kHz	3 kHz	[2]
Frequency Range(+10 %)	5 kHz	5 kHz	[2]
Resonant Frequency	>18 kHz	>18 kHz	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s² pk	
Temperature Range	-65 to +900 °F	-54 to +482 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤ 0.033 g/με	≤ .32 (m/s²)/με	
Electrical			
Capacitance(Pin to Pin)	1525 pF	1525 pF	[1]
Capacitance(Pin to Case)	250 pF	250 pF	[1]
Insulation Resistance(Pin to Case 70° F)	$>10^9$ Ohm	$>10^9$ Ohm	
Insulation Resistance(Pin to Pin 70° F)	$>10^9$ Ohm	$>10^9$ Ohm	
Insulation Resistance(Pin to Pin 900° F)	>100 kohm	>100 kohm	
Output Polarity	Differential	Differential	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Compression	Compression	
Housing Material	Inconel	Inconel	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	1.49 in x 1.63 in x 1.63 in	38 mm x 41.4 mm x 41.4 mm	
Weight(with cable)	19.4 oz	550 gm	[1]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Side	Side	
Cable Length	7 ft	2.1 m	
Cable Type	MI Hardline Cable	MI Hardline Cable	
Mounting	Through Holes (4)	Through Holes (4)	

CE[5]

Typical Sensitivity Deviation vs Temperature



Ex CSA C US

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 conditioning electronics.
[3] Zero-based, least-squares, straight line method.
[4] Transverse sensitivity is typically ≤ 3%.
[5] See PCB Declaration of Conformance PS141 for details.

SUPPLIED ACCESSORIES:

Model 62177-01 1/4-28 x 1 1/4in long (4)
Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency

Entered: LK	Engineer: BAM	Sales: MC	Approved: BAM	Spec Number:
Date: 2/6/2018	Date: 2/6/2018	Date: 2/6/2018	Date: 2/6/2018	**62610**

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