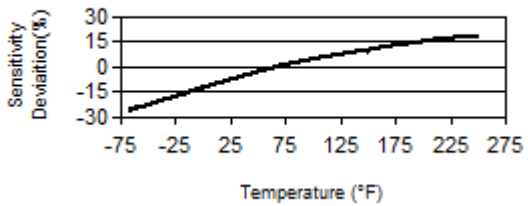
Model Number	CHARGE OUTPUT TO-8 ACCELEROMETER	Revision: A
66392CPZ1		ECN #: 46956

Performance	**ENGLISH**	**SI**	
Sensitivity(± 20 %)	100 pC/g	10.2 pC/(m/s²)	[2][3]
Frequency Range(± 3 dB)	5 kHz	5 kHz	[4][5]
Resonant Frequency	>16 kHz	>16 kHz	[4]
Non-Linearity	≤ 1 %	≤ 1 %	[6]
Transverse Sensitivity	≤ 7 %	≤ 7 %	
Environmental			
Overload Limit(Shock)	5000 g pk	49,000 m/s² pk	
Temperature Range(Operating)	-65 to +185 °F	-54 to +85 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Capacitance	2700 pF	2700 pF	[1]
Physical			
Size (Lip Diameter x Height)	0.64 in x 0.57 in	16.3 mm x 14.5 mm	
Weight	0.88 oz	25 gm	
Mounting	Adhesive/Solder	Adhesive/Solder	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	Header Pins	Header Pins	
Electrical Connection Position	Bottom	Bottom	
Electrical Connections(Pin 1)	Output	Output	
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground	
Electrical Connections(Pin 3)	No Connection	No Connection	

CE[7]

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.

HT - High temperature, extends normal operation temperatures

Temperature Range	-65 to 250 °F	-54 to 121 °C

RH - RoHS Compliant

NOTES:

[1] Typical.
[2] Conversion Factor 1g = 9.81 m/s².
[3] Positive output along Z-axis (in upward direction when pin mounted).
[4] Performance depends on mounting
[5] The high frequency tolerance is accurate within ±10% of the specified frequency.
[6] Zero-based, least-squares, straight line method.
[7] See PCB Declaration of Conformance PS023 or PS060 for details.

SUPPLIED ACCESSORIES:

Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for each axis (1)

Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:
Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	**47343**

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