



Model 66392CPZ1

Low cost embeddable accelerometer, 2-wire charge, 100 pC/g, TO8 housing, positive output, header pins

Installation and Operating Manual

**For assistance with the operation of this product,
contact the PCB Piezotronics, Inc.**

**Toll-free: 800-959-4464
24-hour SensorLine: 716-684-0001
Fax: 716-684-3823
E-mail: imi@pcb.com
Web: www.imi-sensors.com**



Model Number
66392CPZ1

CHARGE OUTPUT TO-8 ACCELEROMETER

Revision: A
ECN #: 46956

Performance

Sensitivity(± 20 %)

Frequency Range(± 3 dB)

Resonant Frequency

Non-Linearity

Transverse Sensitivity

Environmental

Overload Limit(Shock)

Temperature Range(Operating)

Temperature Response

Electrical

Capacitance

Physical

Size (Lip Diameter x Height)

Weight

Mounting

Sensing Element

Sensing Geometry

Housing Material

Sealing

Electrical Connector

Electrical Connection Position

Electrical Connections(Pin 1)

Electrical Connections(Pin 2)

Electrical Connections(Pin 3)

ENGLISH

100 pC/g

5 kHz

>16 kHz

≤ 1 %

≤ 7 %

5000 g pk

-65 to +185 °F

See Graph

2700 pF

0.64 in x 0.57 in

0.88 oz

Adhesive/Solder

Ceramic

Shear

Stainless Steel

Welded Hermetic

Header Pins

Bottom

Output

Neg (-) Ground

No Connection

SI

10.2 pC/(m/s²)

5 kHz

>16 kHz

≤ 1 %

≤ 7 %

49,000 m/s² pk

-54 to +85 °C

See Graph

2700 pF

16.3 mm x 14.5 mm

25 gm

Adhesive/Solder

Ceramic

Shear

Stainless Steel

Welded Hermetic

Header Pins

Bottom

Output

Neg (-) Ground

No Connection

[2][3]

[4][5]

[4]

[6]

[1]

2

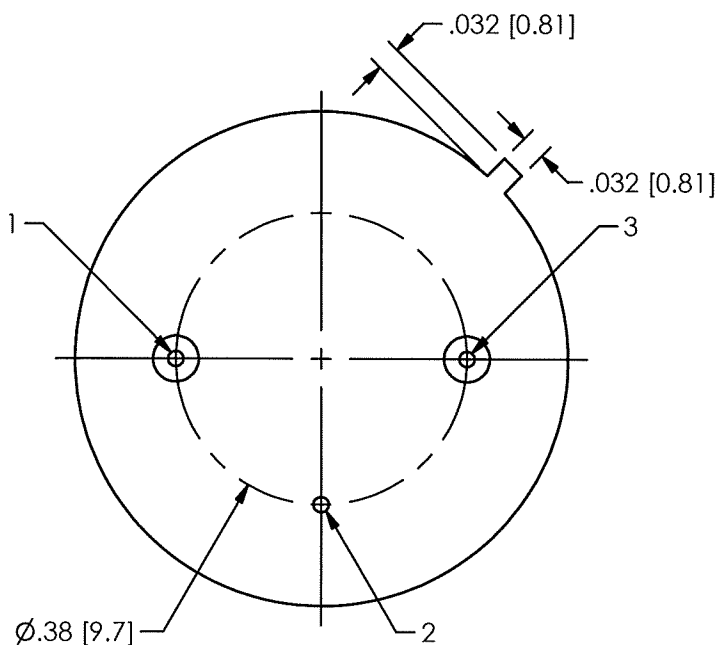
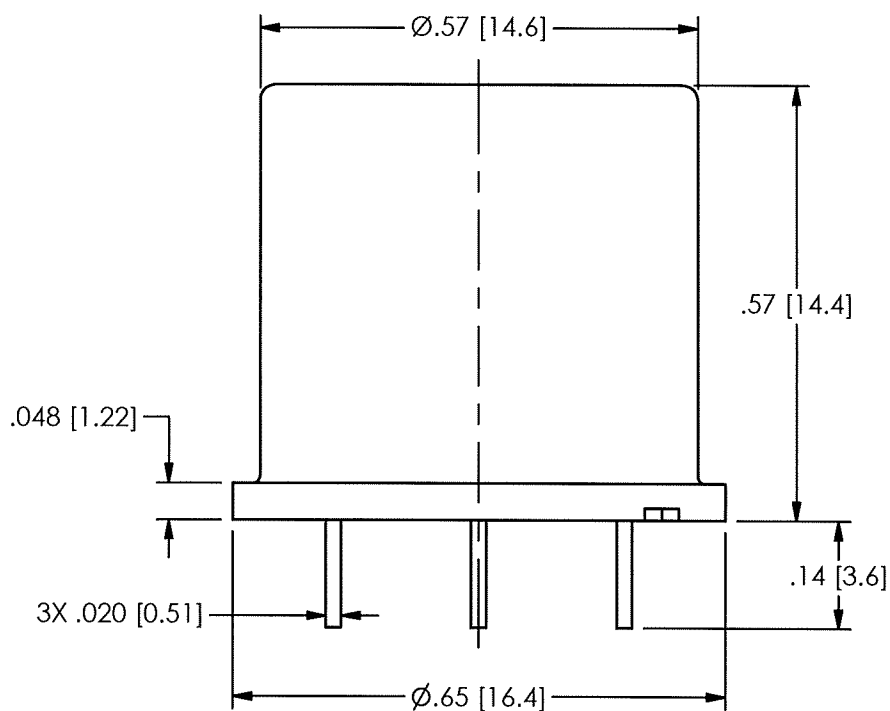
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REVISIONS

REV	DESCRIPTION	DIN
NR	RELEASED TO DRAFTING	35624

49905



CHARGE: 1 - OUTPUT
2 - GROUND
3 - N/C

ICP®: 1 - OUTPUT/POWER
2 - GROUND
3 - N/C

3-WIRE: 1 - OUTPUT
2 - GROUND
3 - POWER

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

DIMENSIONS IN INCHES

DECIMALS XX ±.03
XXX ±.010

ANGLES ± 2 DEGREES

FILLETS AND RADII
.003 - .005

DIMENSIONS IN MILLIMETERS
[IN BRACKETS]

DECIMALS X ± 0.8
XX ± 0.25

ANGLES ± 2 DEGREES

FILLETS AND RADII
0.07 - 0.13

DRAWN

DATE 5/5/11
ECS

CHECKED

5/5/11

ENGINEER

LAB 5/5/11

TITLE

OUTLINE DRAWING
MODEL 663 SERIES
ACCELEROMETER



PCB PIEZOTRONICS INC.

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CODE
IDENT. NO.
52681

DWG. NO.

49905

SCALE:

4X

SHEET

1 OF 1

2

1