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Component Specification

Product : Buzzer
Part Number : CA-M9040H-032785
Drawing No : ER2352

Content

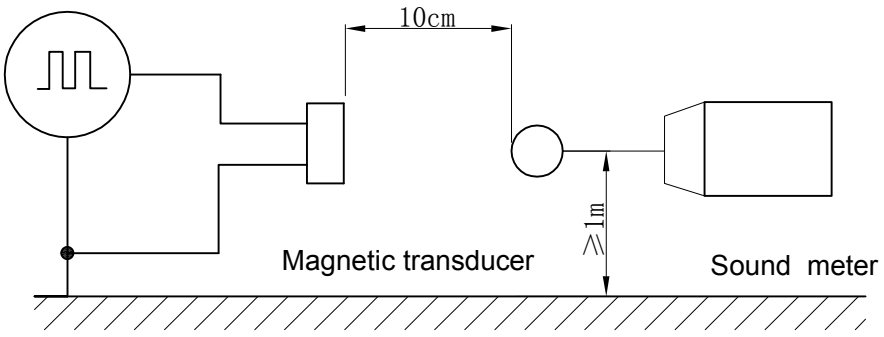
1) General

This product specification is applied to standard applications. Please contact us for customer specific solutions.

2) Electrical & Acoustical Specifications

	Type	Specification
1	Rated Voltage	3V
2	Operating Voltage	2~5V
3	Max. Rated Current	80mA /3V
4	Resonance Frequency	2731 Hz
5	Min. Sound Pressure Level	85dB/3V/1 0cm
6	Coil Resistance (R)	16±3Ω
7	Operating Temperature Range	-20 +70ºC
8	Store Temperature Range	-30 +80ºC
9	Weight	1,6g
10	Dimension	Φ9.0 x 4.0mm
11	Housing Material	PPO/Black

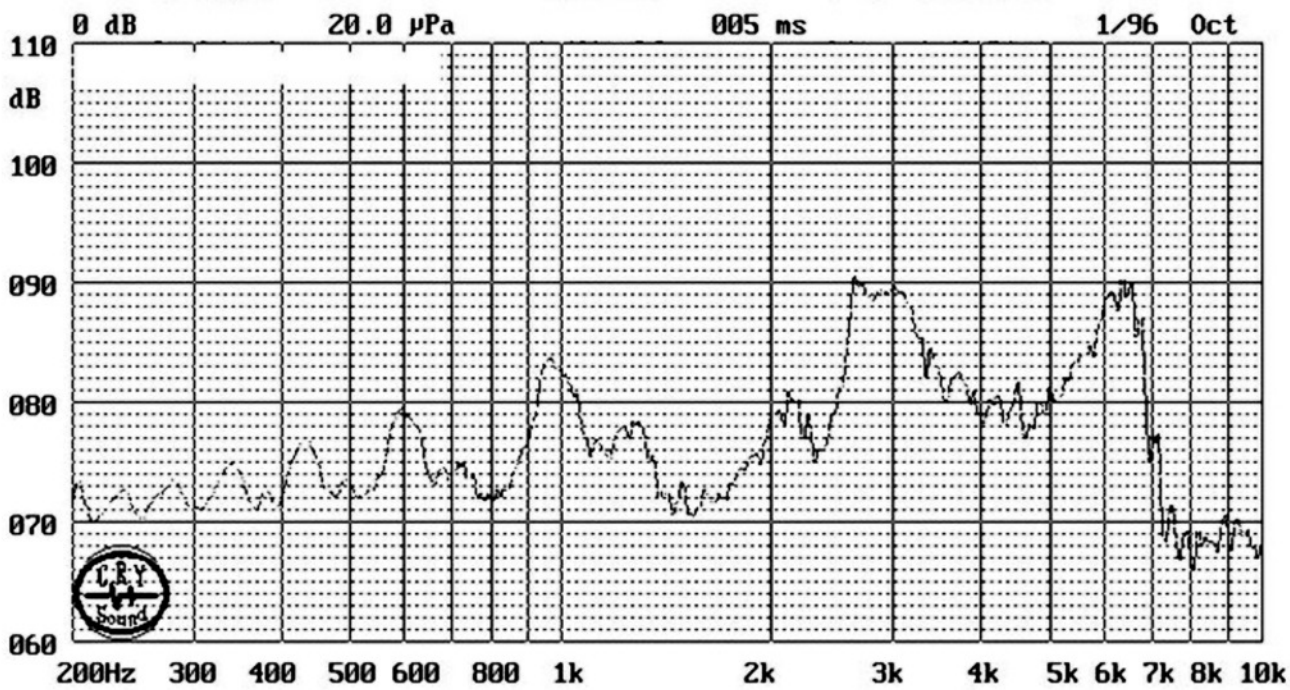
3) Test Circuit



MIC : ND10 Sound meter or equivalent
S.G. : DF1010 Oscillater or equivalent

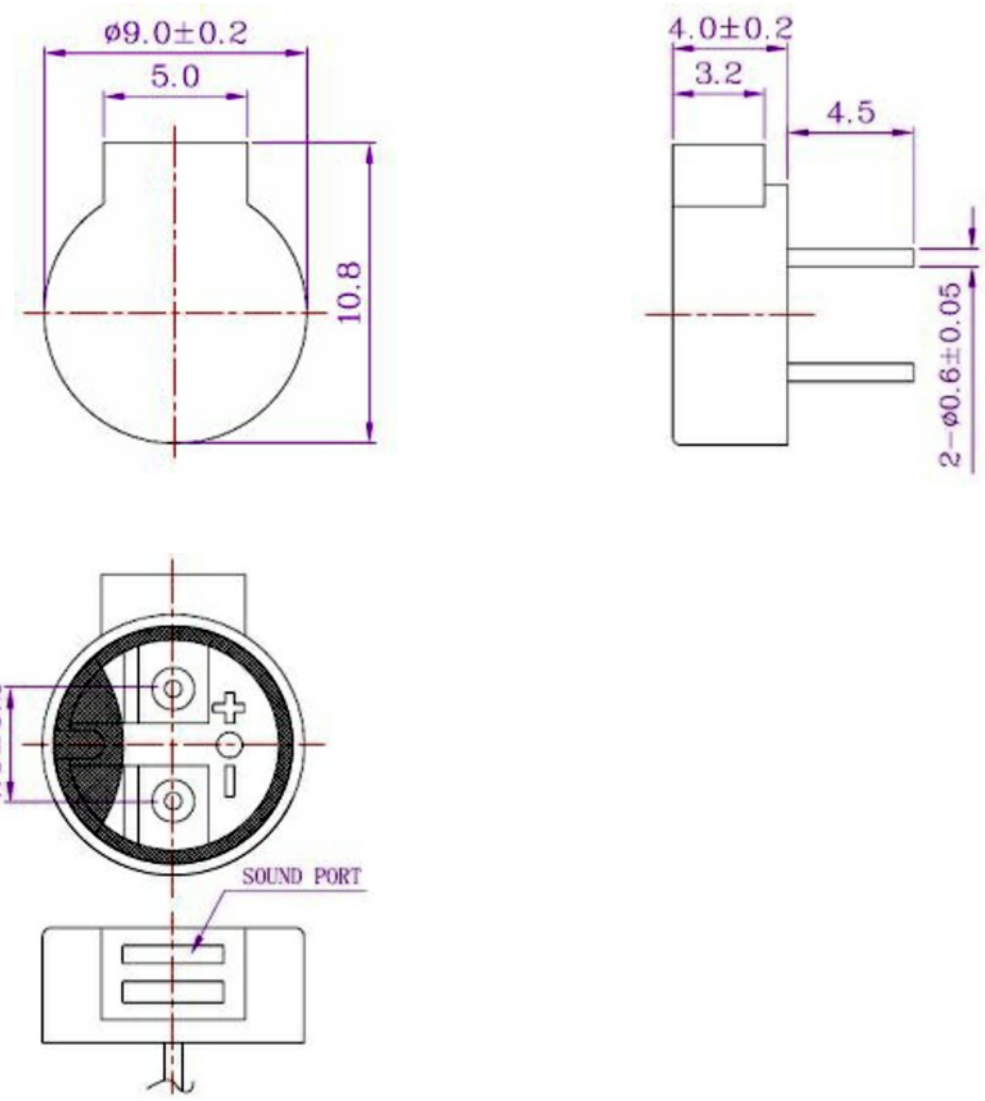
Test Conditions: Temp. 15 ~ 35ºC,rel. Humidity 25% ~ 85%, Atmosph.Pressure 860~1060 mbar

4) Frequency Characteristics



1 . 1	1/09/2016	Production release	L. Hua	T. Feng	G. Schubert
1 . 0	19/07/2016	Preliminary	L. Hua	T. Feng	G. Schubert
Revision	Date	Notes	Drawn by	Checked by	Approved by

5) Dimensions



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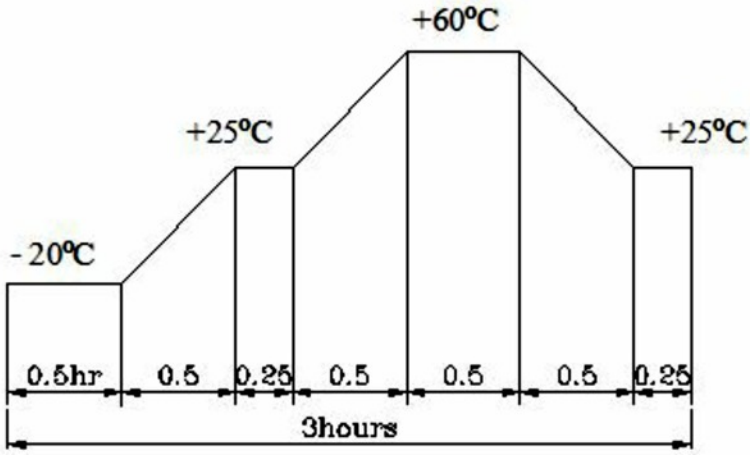
6) Reliability Test

No	Items	Specification
1	Heat Resisance	After being placed in a chamber with 70ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Cold Resistance	After being Placed in a chamber with -30ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: 10dB.
4	Temperature Cycle	The part shall be subjected to 5 cycles. One cycle shall be consist of  Allowable variation of SPL after test: Ï10dB.
5	Temp./Humidity Resistance	After being Placed in a chamber with 90-95% R.H. at 40ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
6	Vibration test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: 10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300ºC for 3 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

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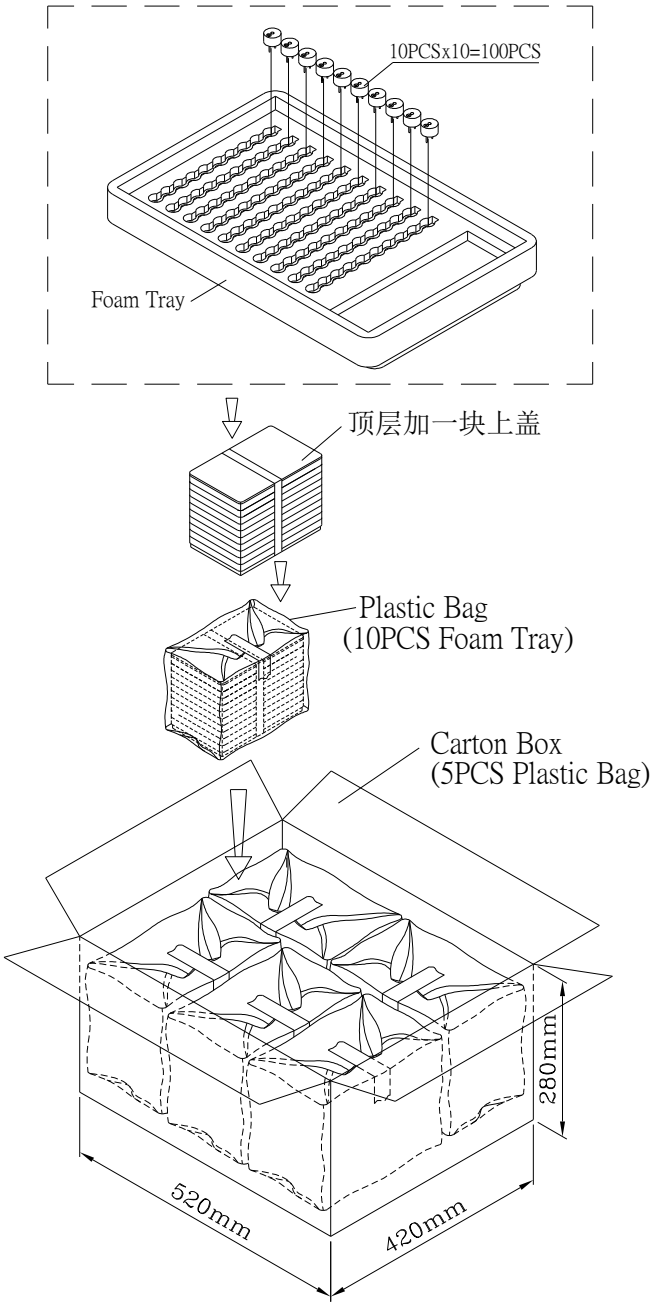
7) Packing



Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520mmx420mmx280mm	5x1000PCS=5,000PCS

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8) Revision

Rev. No	Date	Page	Describtion	Sign
10	19/07/2016	all	preliminary	Wang.Xue
11	1/09/2016	all	Production release	Wang.Xue