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Component Specification

Product : Magnetic Transducer
Part Number : CA-M656540V-362785S
Drawing No : DRW161114

Content

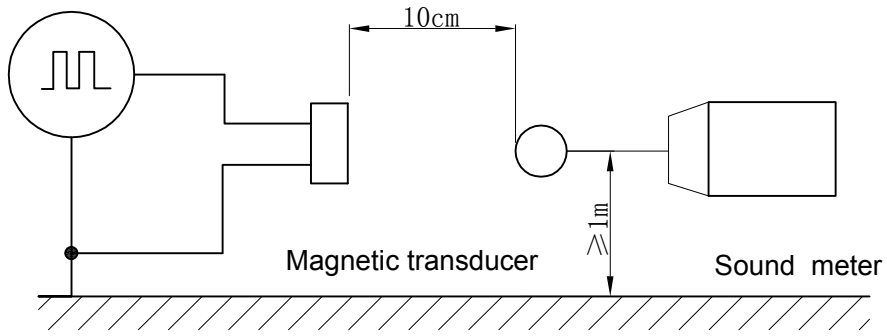
1) General

This product is applied to our standard the magnetic transducer specification. Please contact us for customer specific solutions.

2) Electrical & Acoustical Specifications

	Type	Specification
1	Rated Voltage	3.6V
2	Operating Voltage	2.5~4.5V
3	Current Consumption	120mA max.
4	Resonance Frequency	2700 Hz
5	Min. Sound Pressure Level	85dB
6	Coil Resistance (R)	12±2Ω
7	Operating Temperature Range	-30~+80°C without loss of function
8	Store Temperature Range	-40~+85ºC without loss of function
9	Weight	0.8g
10	Dimension	6.5x6.5x4.0 mm
11	Housing Material	LCP6130/Black

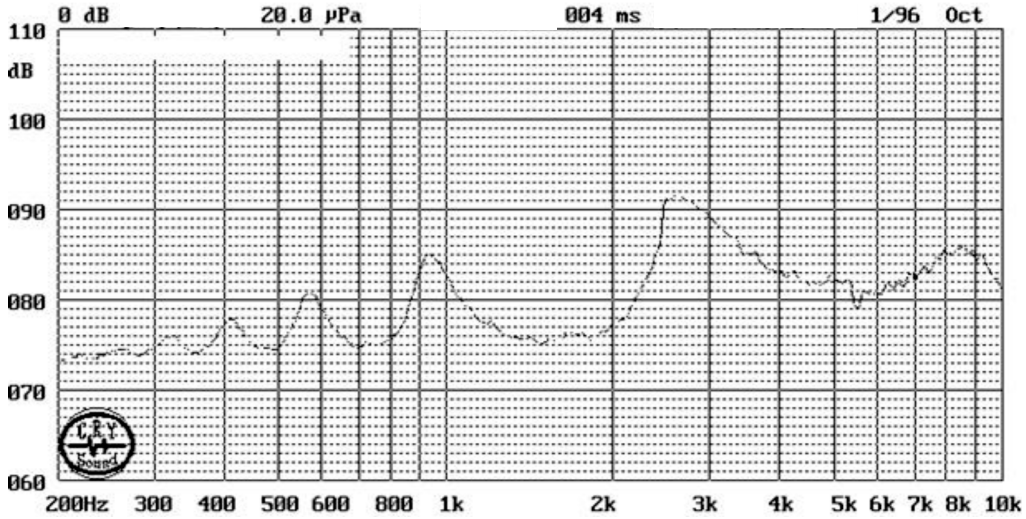
3) Test Circuit



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

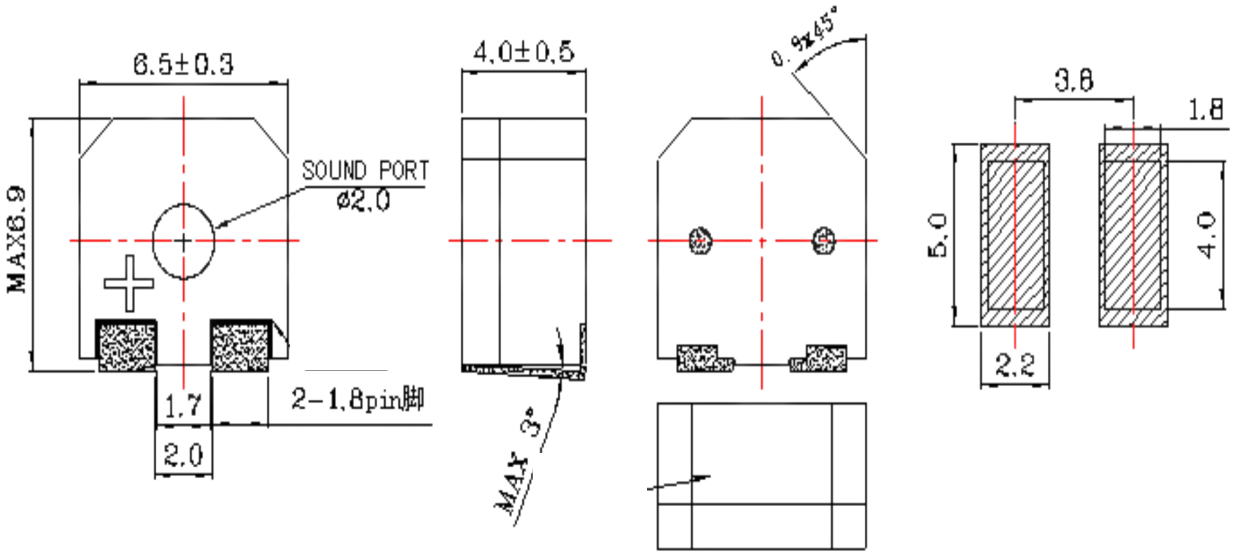
Test Conditions: Temp. 15 ~ 35ºC,rel. Humidity 25% ~ 85%, Atmosph.Pressure 860~1060 mbar

4) Frequency Characteristics



1 . 0	28/02/15		L. Hua	T. Feng	G. Schubert
Revision	Date	Notes	Drawn by	Checked by	Approved by

5) Dimensions & Structure



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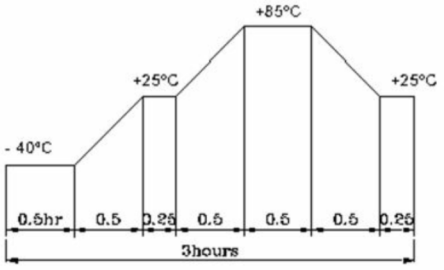
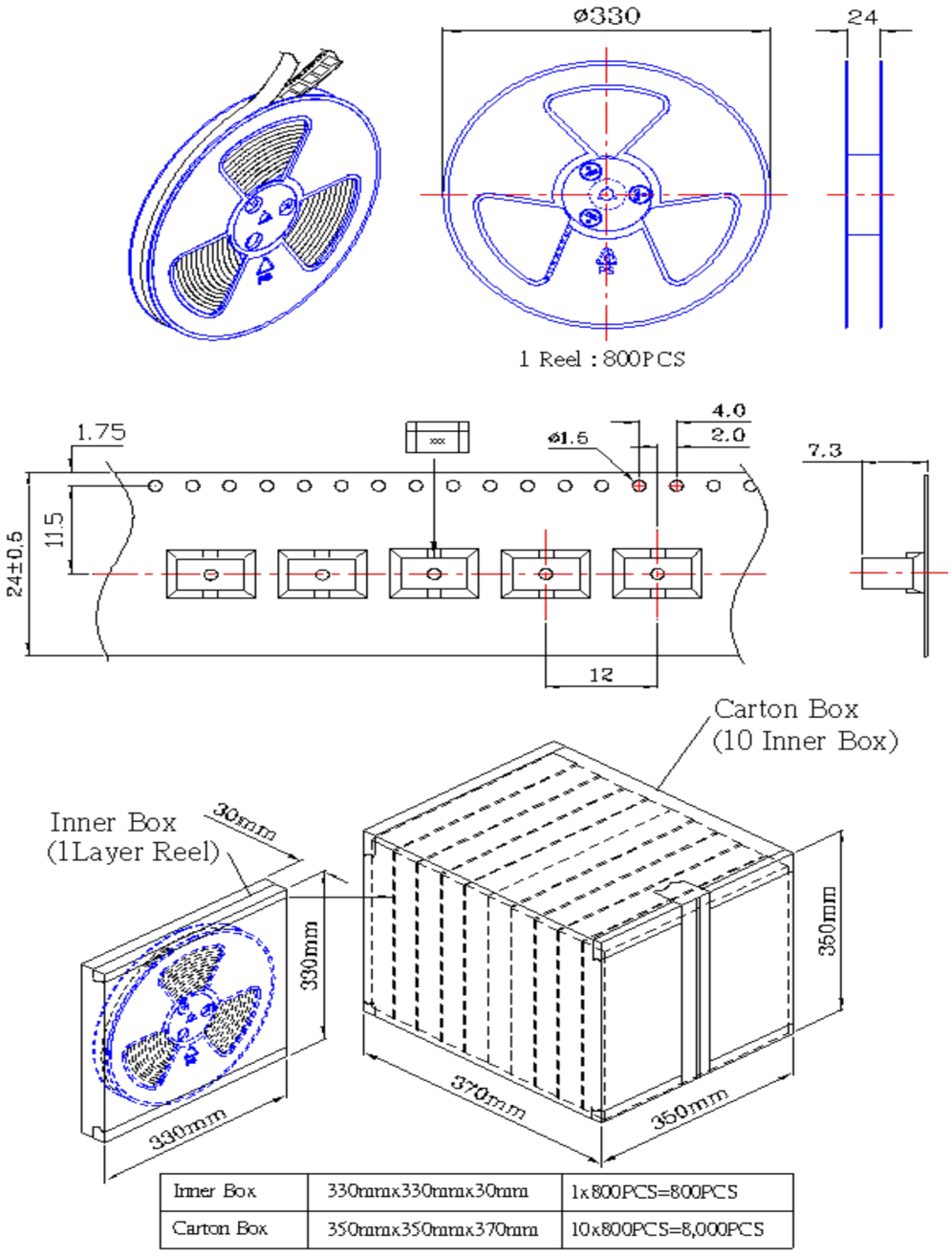
6) Reliability Test

No	Items	Specification
1	Heat Resisance	After being placed in a chamber with 85±2°C 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 -40 ±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Temperature Cycle	The part shall be subjected to 5 cycles. One cycle shall be consist of:  Allowable variation of SPL after test: ±10dB.
4	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
5	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.
6	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.
7	Solderability	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5°C for 31 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.

7) Packing



Inner Box	330mmx330mmx30mm	1x800PCS=800PCS
Carton Box	350mmx350mmx370mm	10x800PCS=8,000PCS

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8) Revision

Rev. No	Date	Page	Describtion	Sign
10	28/02/15	all	Production release	Wang.Xue