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Component Specification

Product : Magnetic Transducer
Part Number : CA-M858530CT-362785S
Drawing No : DRW1312

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2. Electrical & Acoustical Characteristics
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1) General

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

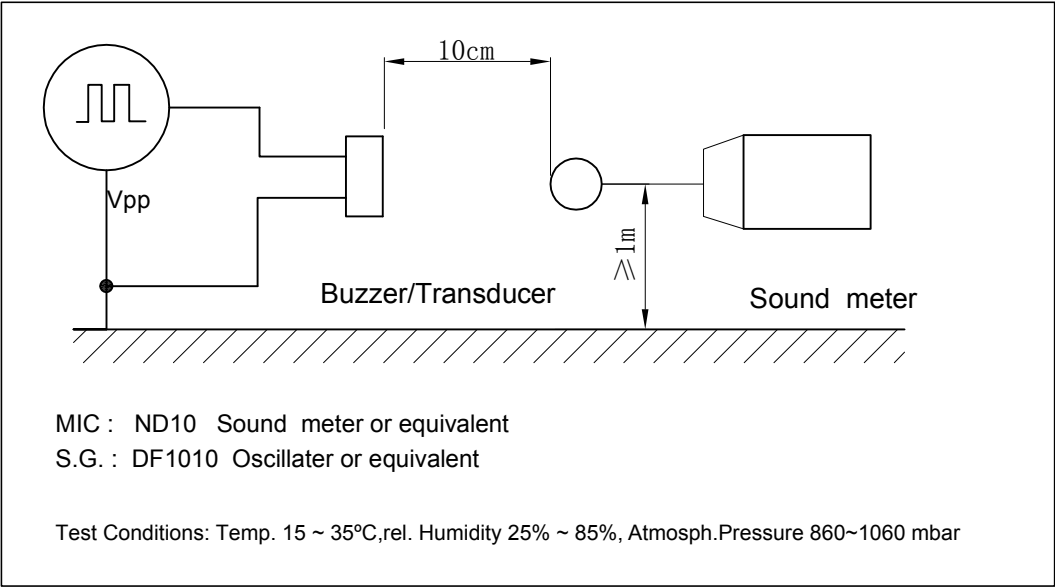
2) Electrical & Acoustical Specifications

	Type	Specification
1	Rated Voltage	3.6V
2	Operating Voltage	2.5~4.5V
3	Max. Rated Current	100mA
4	Resonance Frequency	2731Hz
5	Min. Sound Pressure Level	85dB
6	Coil Resistance (R)	16±3Ω
7	Operating Temperature Range	-30~+70°C
8	Store Temperature Range	-40~+85°C
9	Weight	0.5g
10	Dimension	8.5x8.5x3.0 mm
11	Housing Material	LCP

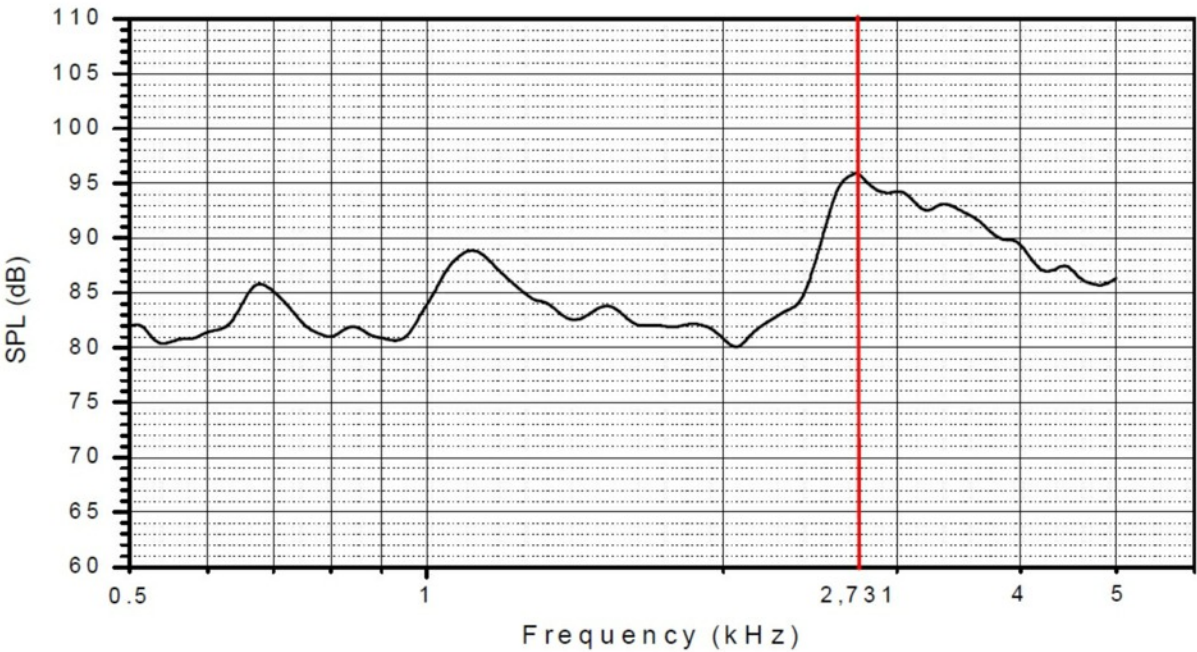
1.0	13.12.2006		Zhu Yu	Shi Cong	Wang Xue Wen
Revision	Date	Notes	Drawn by	Checked by	Approved by

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3) Test Circuit



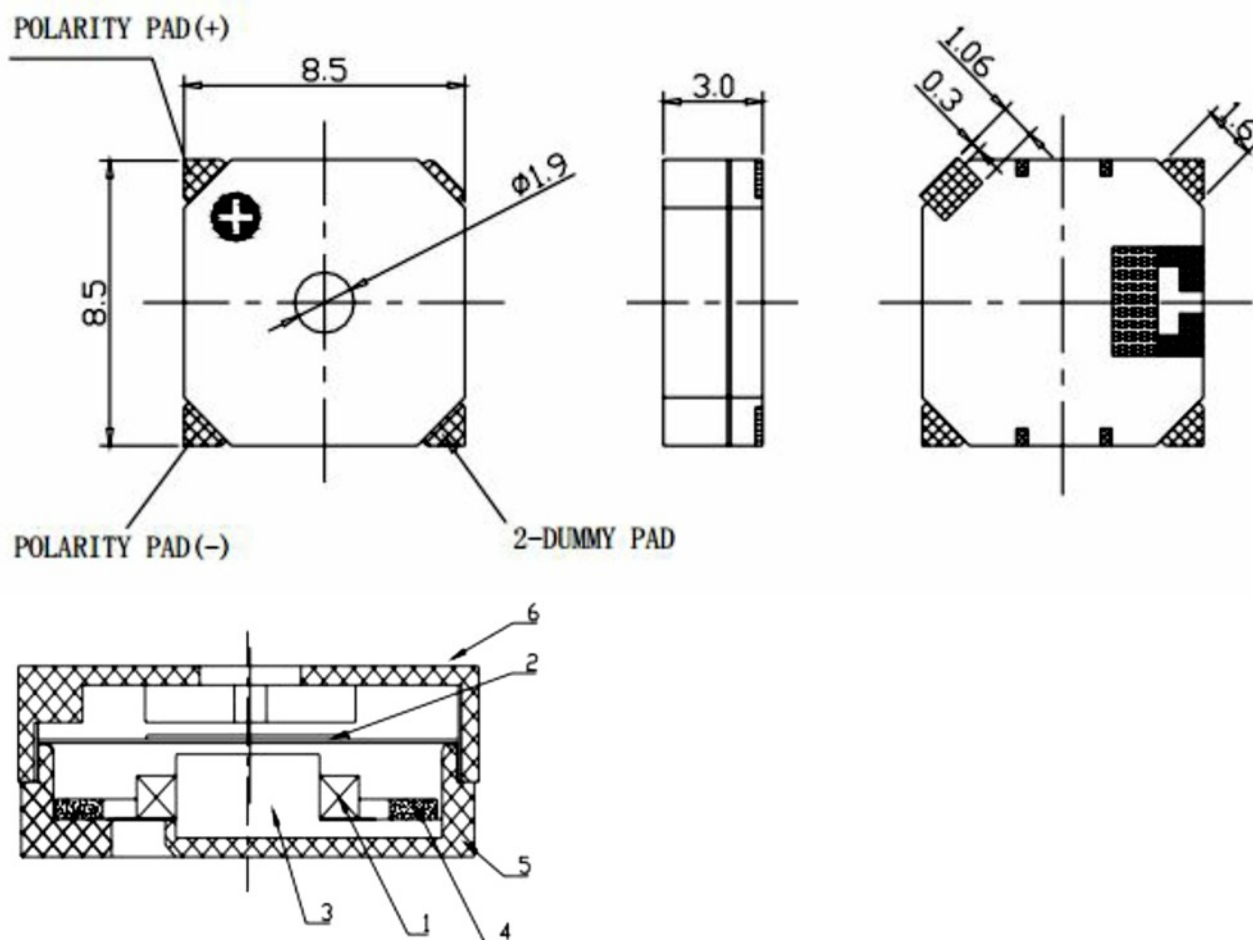
4) Frequency Characteristics



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5) Dimension

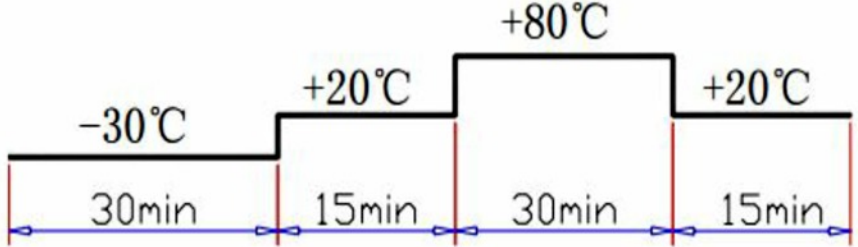
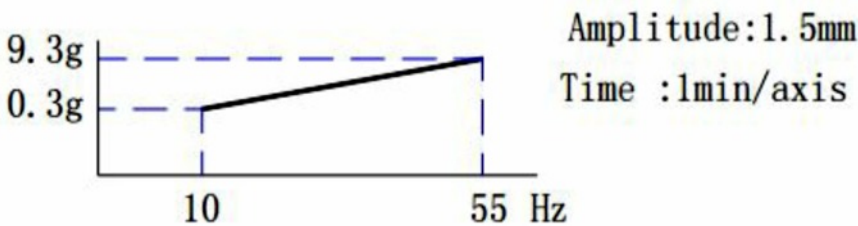


6	Cover	1	LCP
5	Case	1	LCP
4	Magnetism	1	Ferrite
3	Iron	1	Iron
2	Diaphragm	1	Iron
1	Coil Part	1	Copper Iron
Part No.	Part Name	Q'TY	Material


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6) Reliability Test

No	Items	Specification
1	Heat Resisance	Storage in $+85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 240 hours then expose to the room temperature for 2 hours without applying power.
2	Cold Resistance	Storage in $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 240 hours then expose to the room temperature for 2 hours without applying power.
3	<i>Humidity Test</i>	Storage in $+40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
4	Thermal Cycle	<p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p> 
5	Vibration Test	 <p>Make this test for the directions of X, Y, Z for 2 hours each (total 6 hours).</p>
6	Drop Test	Free drop a unit from the height 100cm to the surface of 10mm thick board, three directions (X, Y, Z).
7	Solderability Test	Soldering temp.: 260 ± 5 Heat applying time: 3 ± 0.5 sec.

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8) Revision

Rev. No	Date	Page	Description	Sign
10	13/12/2006	all		Wang.Xue

1 . 0	13.12.2006		Zhu Yu	Shi Cong	Wang Xue Wen
Revision	Date	Notes	Drawn by	Checked by	Approved by