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Component Specification

Product : Piezo Transducer
Part Number : CA-P2266A-904090ET
Drawing No : KP4.829.29S

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1) General

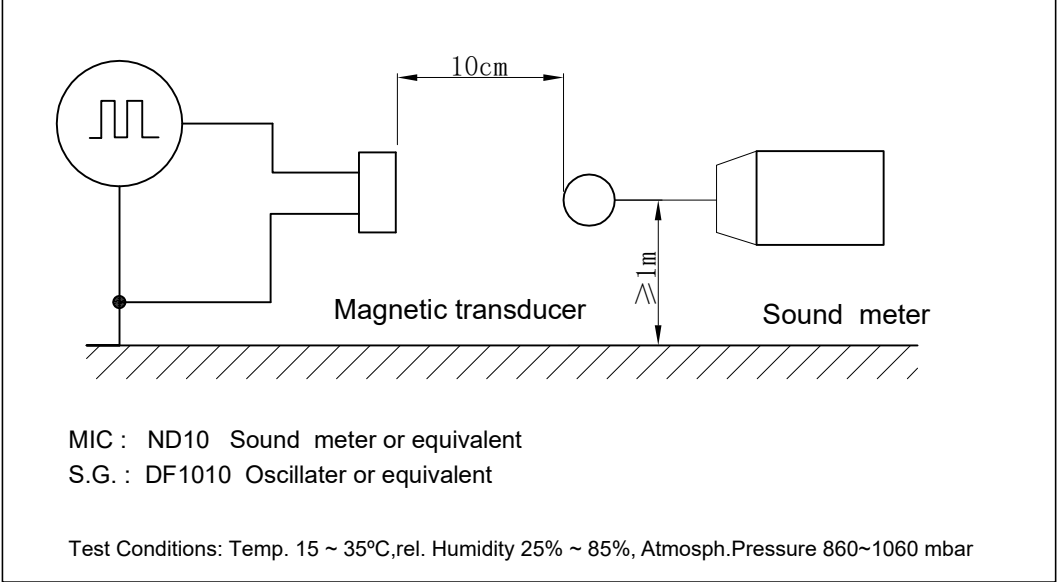
This product is applied to our standard the magnetic transducer specification. Please contact us for customer specific solutions.

2) Electrical & Acoustical Specifications

	Type	Specification
1	Rated Voltage	9V
2	Max. Input Voltage	30V
3	Resonance Frequency	4,0 KHz
4	Min. Sound Pressure Level	90dB/9V/1 0cm
5	Capacitance at 100Hz	14000pF± 30%
6	Operating Temperature Range	-20°C ~ +80°C without loss of function
7	Store Temperature Range	-30°C ~ +100°C without loss of function
8	Weight	2.5g
9	Dimension	Ø22mm x 8mm
10	Housing Material	PBT+30%/Black

1.0	12/11/2012		L. Hua	T. Feng	G. Schubert
Revision	Date	Notes	Drawn by	Checked by	Approved by

3) Test Circuit



1.0	12/11/2012		L. Hua	T. Feng	G. Schubert
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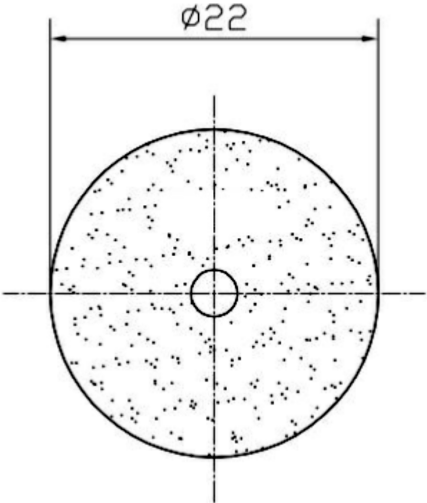
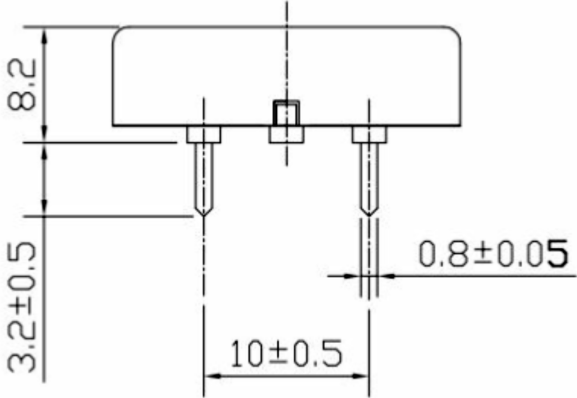


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4) Dimensions



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5) Physical Characteristics

No	Items	Test Condition	Specification
1	Shock	Sounder shall be measured after being applied shock(490m/s ²) for each three mutually perpendicular directions to each of 3 times by half sine wave.	The measured value shall meet Table 1.
2	Vibration Resistant	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours.	The measured value shall meet Table 1.
3	Soldering Heat Resistance	Lead terminal are immersed up to 1.5mm from sounder's body in solder bath of 350±5°C for 3±0.5 seconds , and then sounder shall be measured after being placed in natural condition for 4 hours.	The measured value shall meet Table 1.
4	Dropping	Dropped from 75cm high to linen with 2 times.	The measured value shall meet Table 1.
5	Solderability	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +260±5°C for 3±0.5 seconds.	90% min. Lead terminals shall be wet with solder. (Except the edge of terminal)
6	Terminal Strength Pulling	The force 10 seconds of 9.8N is applied to each terminal in axial direction.	No visible damage and cutting off

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6) Environmental Characteristics

No	Items	Test Condition	Specification
1	Dry Heat Test (Storage)	After being placed in a chamber with $+100 \pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	The measured value shall meet Table 1.
2	Cold Test (Storage)	After being placed in a chamber with $-30 \pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	The measured value shall meet Table 1.
3	Humidity	After being placed in a chamber with 90 to 95%R.H. at $+60 \pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	The measured value shall meet Table 1.
4	continuum run	Square wave 30Vp-p 4.0KHz/240hours	The measured value shall meet Table 1.
5	Temperature Cycle	After being placed in a chamber at $-30 \pm 2^{\circ}\text{C}$ for 30 minutes, sounder shall be placed at room temperature ($+20^{\circ}\text{C}$). After 15 minutes at this temperature, sounder shall be placed in a chamber at $+100 \pm 2^{\circ}\text{C}$. After 30 minutes at this temperature, sounder shall be returned to room temperature ($+20^{\circ}\text{C}$) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 4 hours.	The measured value shall meet Table 1.

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7) Revision

Rev. No	Date	Page	Description	Sign
10	12/11/2012	all	Primary	Wang.Xue

1.0	12/11/2012		L. Hua	T. Feng	G. Schubert
Revision	Date	Notes	Drawn by	Checked by	Approved by