

Electrical and Acoustical Parameter

Rated Voltage (V) *	6.0
Operating Voltage (V)	3.0 – 10.0
Rated current (mA) *	max. 40
Sound Pressure Level (dBA/10cm) *	min. 85.0
Resonant Frequency (Hz,±300)	2300
Coil Resistance (Ω, ±9)	60

Remark: *Value applying rated voltage (2048Hz, 1/2duty, Square wave)

Mechanical, Enviromental Parameter

Contact / Wire	Pin
Operating temperature (°C)	-20 to +70
Storage temperature (°C)	-30 to +80
Material housing	PPO
Color housing	Black
Component weight (g)	4

Remark:

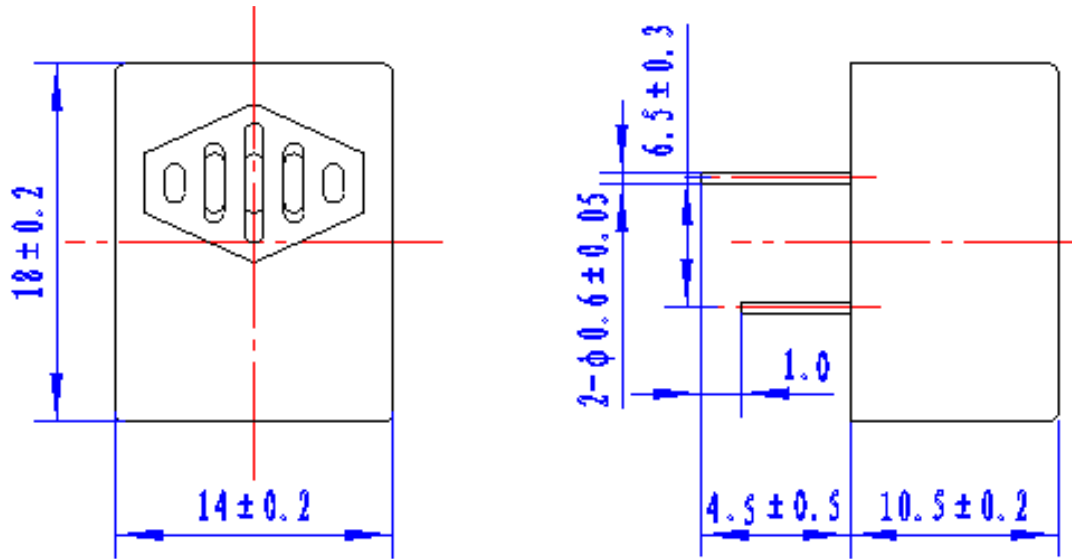
Approval

RoHs	<input checked="" type="checkbox"/>
UL	<input type="checkbox"/>

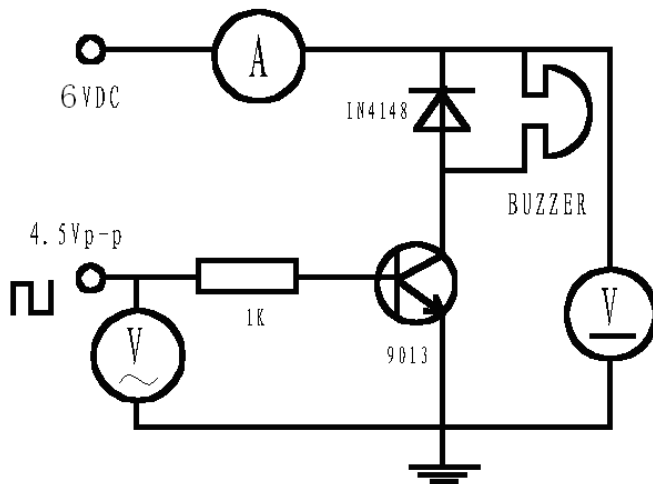
Designed by	KH	05.07.2013	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	SS	05.07.2013	Drawing number	130705.1BDB	05.07.2013
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Drawing of Component

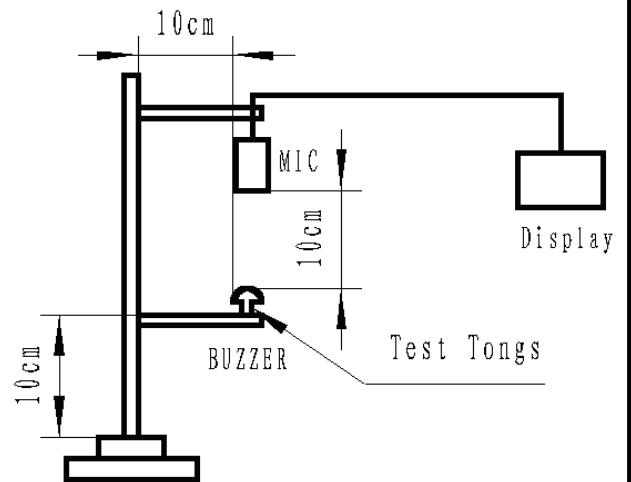
Unit:mm



Test Method



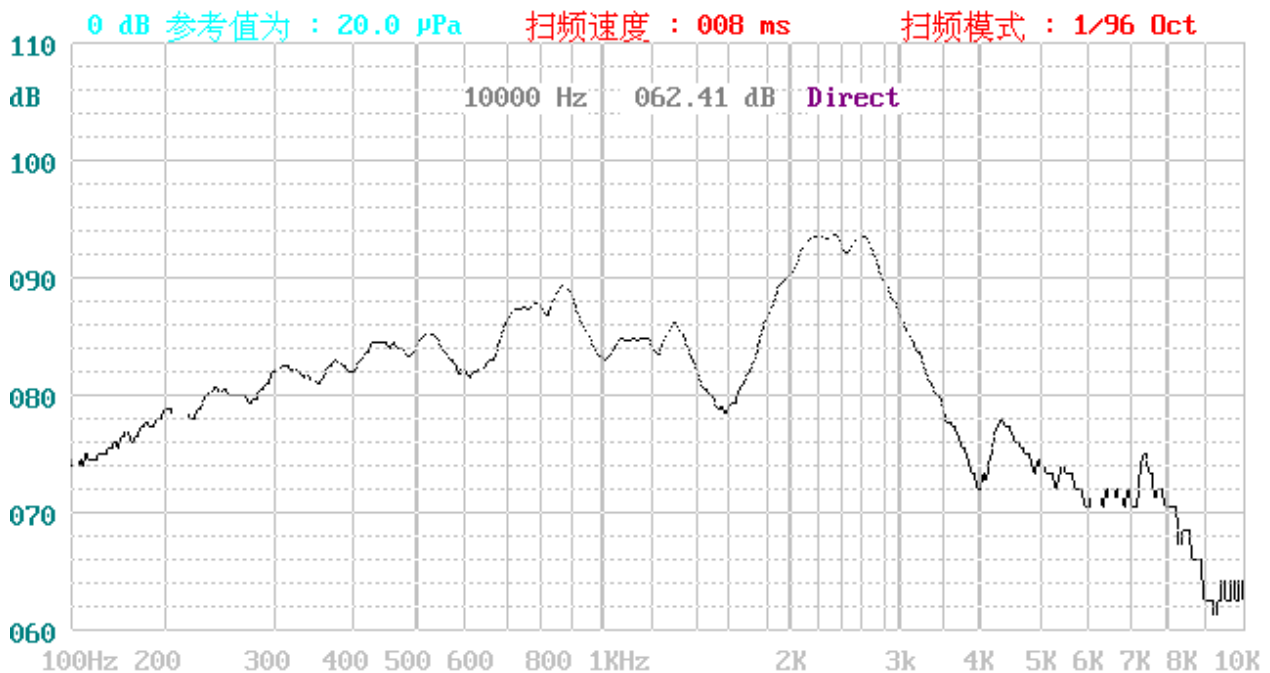
Test Circuit



Test Equipis

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Frequency Response



RELIABILITY TEST

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	50 \pm 5 $^{\circ}$ C, 93(+2/-3)%RH, 96HRS	All specifications must be satisfied after the test.
2	High temp.	+80 \pm 2 $^{\circ}$ C, 96HRS	
3	Low temp.	-30 \pm 2 $^{\circ}$ C, 96HRS	
4	Temperature Cycling	-30 \pm 2 $^{\circ}$ C, 30minutes room temp. 15 minutes +80 \pm 2 $^{\circ}$ C, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then from 55 to 10 Hz) under single amplitude of 1.0mm is 1 minute.	
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 250 \pm 10 $^{\circ}$ C for a period of 30 seconds.	After the test part shall meet specifications without any degradation in appearance and performance.

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Revision Table

Index Nr.	Date Reason - Procedure Change description	Drawing Date	implementation	Comments
			LS-Nr.: Date	

Designed by	KH	05.07.2013	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	SS	05.07.2013	Drawing number 130705.1BDB		05.07.2013
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