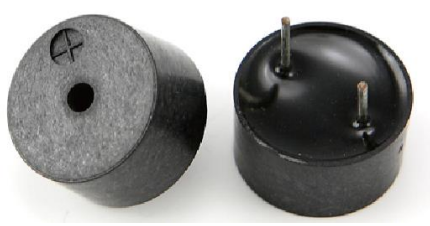


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SPECIFICATION FOR APPROVAL PIEZO BUZZER

Model Name	LPB1475H-TO-03-4.0-7.6-R
Note	

Product Photo	Cre-Sound
	DRAWING: 吴义涛
	CHECKED: 韦 娟
	APPROVED: 宋雪琪
Customer Confirmation:	

ChangZhou Cre-Sound Electronics Co.,Ltd.
Tel: +86-519-86321175 Fax: +86-519-86702455
E-mail:sales3@wj-lianhua.com

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Technical Terms:

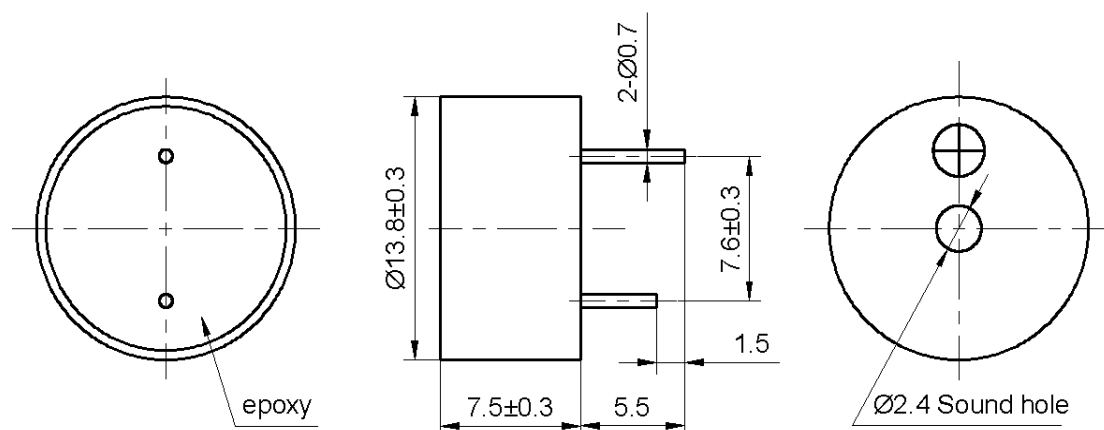
No.	Technical terms	Value
1	Rated Voltage (VDC)	3
2	Operating Voltage(VDC)	2.0-5.5
3	*Rated Current (mA)	≤ 3
4	*Sound Output at 10cm(dB)	≥ 83
5	*Resonance Frequency(kHz)	4.0 ± 0.5
6	Tone	Continuous
7	Operating Temperature($^{\circ}\text{C}$)	$-40 \sim +85$
8	Storage Temperature($^{\circ}\text{C}$)	$-40 \sim +90$
9	Weight (g)	0.96
10	Housing Material	PPO
11	RoHS	Yes
Remark: <u>The special requirements in the test for no anti reverse connection.</u>		

*Value applying at rated voltage.

Test basic state: Temp($20 \pm 2^{\circ}\text{C}$) , Humidity(40~70%RH) , Air pressure(860~1060hPa).

Dimensions (UNIT: mm):

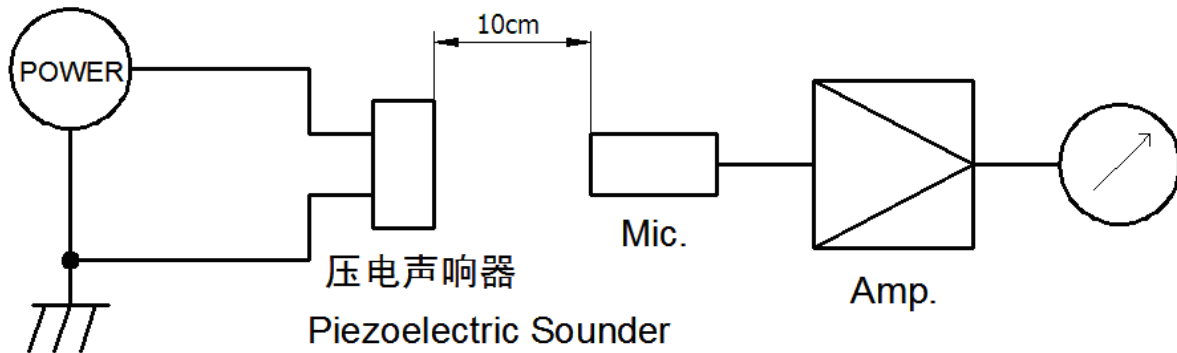
Tolerance: $\pm 0.5\text{mm}$ Except Specified



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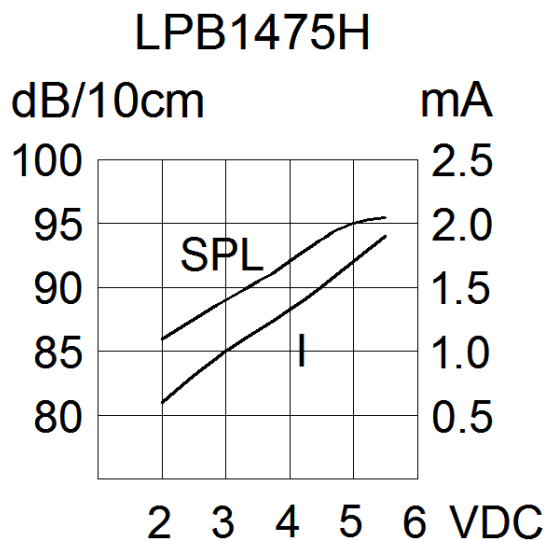
Test Method:



MIC: ND10 普通声级计或等同品
MIC: ND10 Sound Meter or equivalent

稳压电源: QJ6003S或等同品
DC Power Supply: QJ6003S or equivalent

SPL & Current Consumption vs. Input Voltage:



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Reliability Test:

● Environment Test:

No.	Item	Test condition	Evaluation standard
1	High temp. test	+90±2℃, 96Hrs	After being placed for 2 to 4hrs at room temp, the product shall meet specifications, except the SPL should be in ±10dB compared with initial one.
2	Low temp. test	-40±2℃, 96Hrs	
3	Humidity test	40±2℃, 93(+2/-3)%RH for 96Hrs	
4	Temp. cycle test	-40±2℃, 30minutes +20±2℃, 15 minutes +90±2℃, 30 minutes +20±2℃, 15 minutes 5 cycles	

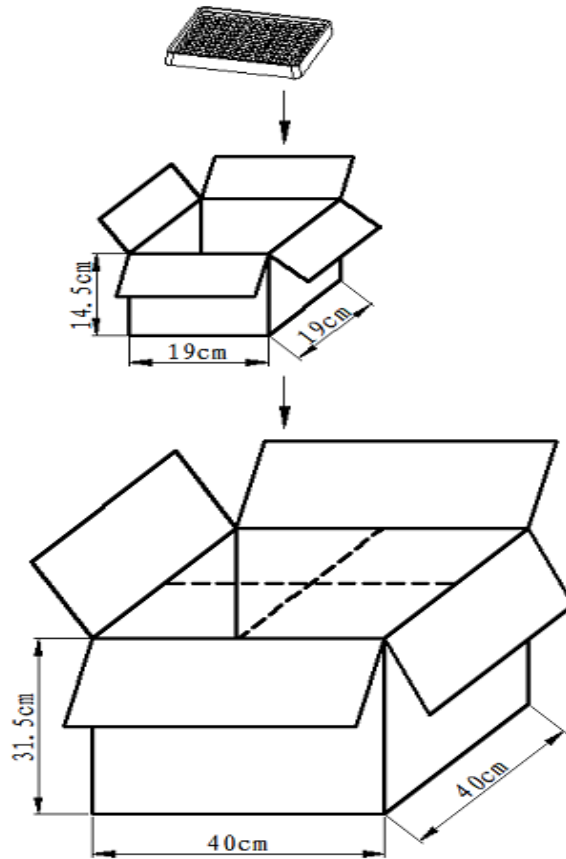
● Mechanical Characteristics:

No.	Item	Test condition	Evaluation standard
1	Solder ability	Pin terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 270±5℃ for 3±1s.	90% min. lead terminals shall be wet with solder.(Except the edge of terminal)
2	Soldering heat resistance	Pin terminals are immersed up to 1.5mm from part's body in solder bath of 260±5℃ for 10±1s. Refer to GB2423.28.	No interference in operation
3	Vibration	1.5 mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hrs.	After the test part shall meet specifications, except the SPL should be in ±10dB compared with initial one.
4	Drop test	The part only shall be dropped from the height of 70cm onto 10mm thick wooden board each 3 times in 3 axial directions(x,y&z) (a total of 9 times).	

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Packing:



NOTES:

1. 100 PCS per box
2. 10 boxes per inner carton
3. 1000pcs per inner carton
4. Inner carton volume: 19*19*14.5cm
5. 8 pcs inner cartons per carton
6. Total 8000 PCS carton
7. Volume: 40*40*31.5cm

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