

SPECIFICATION

FOR APPROVAL

Customer : _____

Description : _____ Piezo Audio Transducer _____

Universal Model No. : _____ RE-B-PB-43X14 _____

Customer's Model No. : _____

ISSUE	CHECK	APPROVAL	CUSTOMER
Qiyu 20.06.06	Congli 20.06.06	Fenglei 20.06.06	

CHANGES				
NO.	Date	ECN.NO	Edition	Description
1	20.06.06	200606	A0	初稿



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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage	VDC	12
1-2	Operating Voltage	VDC	3-20
1-3	* Rated Current (Max)	mA	12
1-4	* Min Sound Output at 30cm	dB	100
1-5	* Resonant Frequency	Hz	2800±500
1-6	Tone Nature		Single
1-7	Operating Temperature	°C	-20~+60
1-8	Storage Temperature	°C	-30~+70
1-9	Weight	g	12
1-10	Housing Material		ABS
1-11	Lead Pin Material		Red Copper (DSn)

* Value Applying at Rated Voltage(VDC)

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2.ENVIRONMENTAL TEST

Item	Specifications
2-1 Storage in High temp.	Storage in $+70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-2 Storage in Low temp.	Storage in $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-3 Storage in Humidity	Storage in $+30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-4 Thermal cycle test.	<p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p>
2-5 Vibration test	<p>Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours).</p>
2-6 Drop test	Free drop a unit from the height 70cm to the surface of 10mm thick board ,three directions(X,Y,Z).
2-7 Solderability test	Soldering temp.: $260 \pm 5^{\circ}\text{C}$ Heat applying time: $3 \pm 0.5\text{sec}$.

PASS CRITERION :

After these tests , the change of S.P.L shall be within $\pm 5 \text{ dB}$.

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3.MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : $25 \pm 3^{\circ}\text{C}$

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-1-2.JUDGEMENT

Temperature : $15 \sim 35^{\circ}\text{C}$

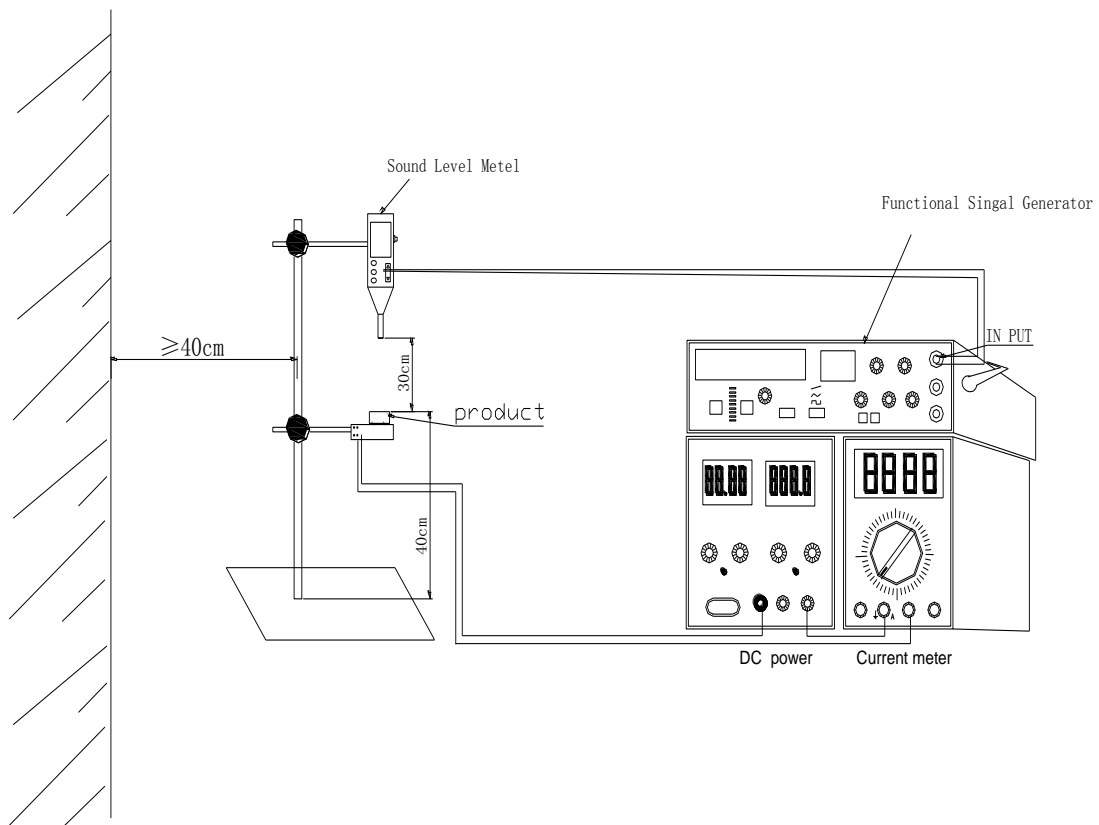
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

3-2-1.rated Voltage: 12 VDC

3-2-2.Resonant Frequency: $2800\text{Hz} \pm 500$



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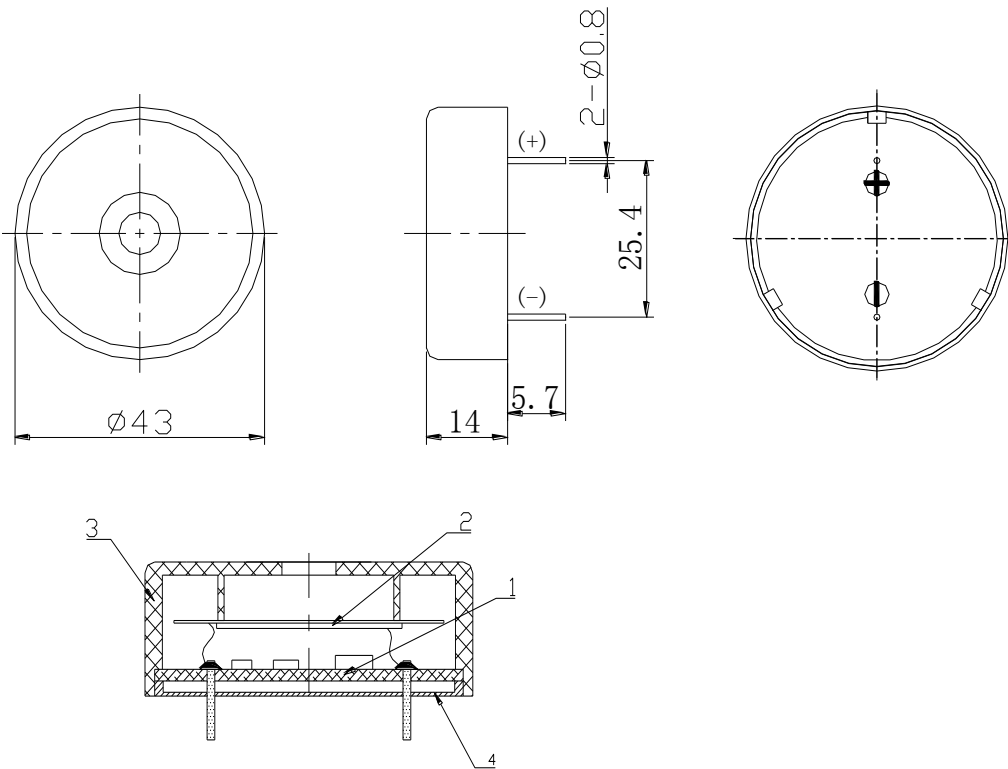
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4.DIMENSIONS

Unless otherwise specified, tolerance: ± 0.5 (unit:mm)



- 1) All parts must meet ROHS.
- 2) Wave solder and wash not allowed.

4	Cover	1	Black ABS	
3	Housing	1	Black ABS	
2	Piezo element	1	Brass	
1	PCB	1	Epoxy Board	
Part No.	Part Name	Q'TY	Material	Remark

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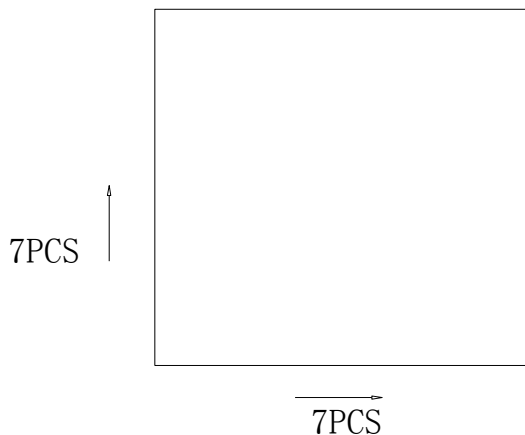
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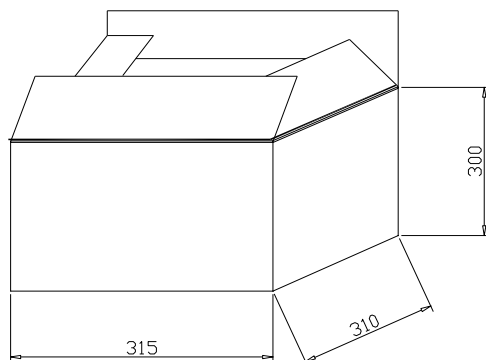
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5.PACKING



一层纸板加泡沫板，纸板尺寸：300*300*2mm，
 泡沫板尺寸：300*300*8mm，
 $7 \times 7 \text{PCS} = 49 \text{PCS/box}$ 每泡沫板插 $7 \times 7 = 49$ 只
 每板套塑料袋350*400mm



490PCS/CTN 每箱放490只

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