

SPECIFICATION

FOR

APPROVAL

Customer: _____

Description: SMT Piezo Buzzer

ICC/INTERVOX Model No: BSP0902SM-25-T/R

Customer's Model No: _____

ISSUE	CHECK	APPROVAL	CUSTOMER
ZhuYu 14.10.30	ShiCong 14.10.30	WangXueWen 14.10.30	



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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage (Square Wave)	Vp-p	3
1-2	* Rated Current (Max)	mA	1
1-3	Operating Voltage	Vp-p	1-25
1-4	* Min Sound Output at 4.0kHz/10cm	dB	70 (Typ.75)
1-5	* Resonant Frequency	Hz	4000
1-6	Capacitance at 1KHz	pF	12000±30%
1-7	Operating Temperature	°C	-30~+70
1-8	Storage Temperature	°C	-40~+85
1-9	Weight	g	0.2
1-10	Housing Material		LCP
1-11	Tone Nature		Single
1-12	Connection		

* Value Applying at Rated Voltage (resonant frequency, 1/2 duty, square wave)

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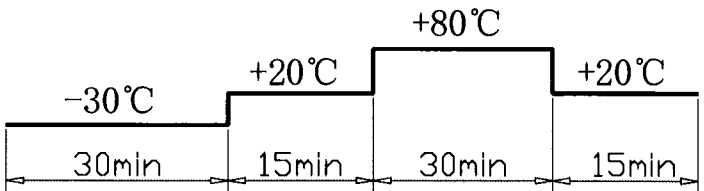
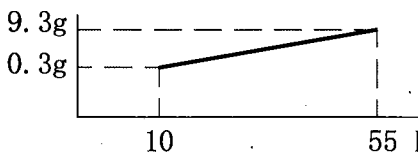
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2. ENVIRONMENTAL TEST

Item	Specifications
2-1 Storage in High temp.	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.
2-2 Storage in Lower temp.	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.
2-3 Storage in Humidity	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.
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>Amplitude: 1.5mm Time : 1min/axis</p> <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 100cm 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 ± 5 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 ~ 35°C

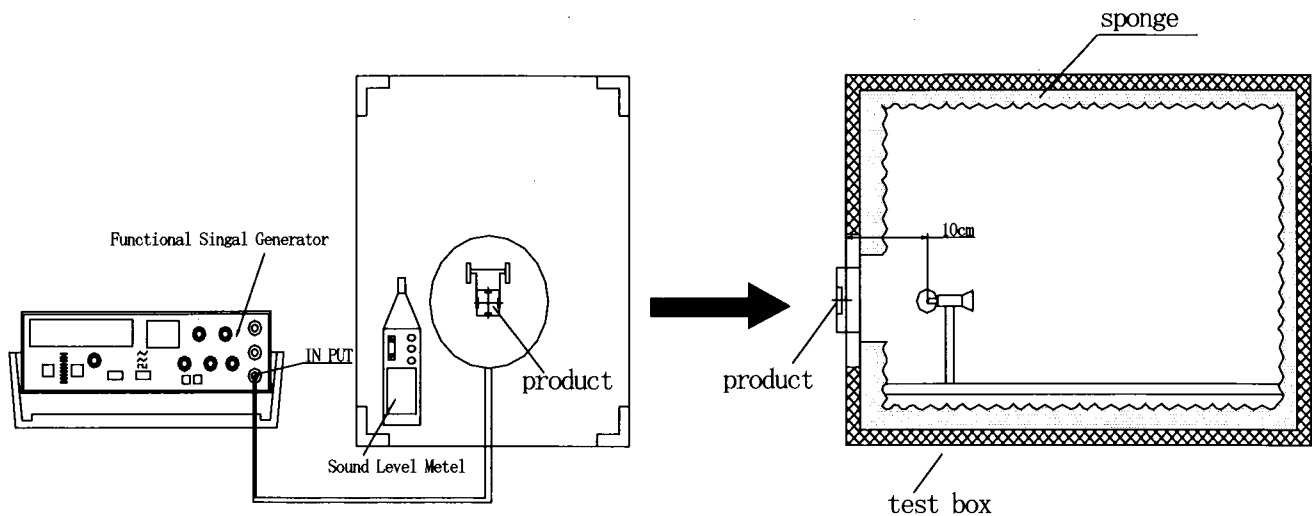
Relative humidity : 45% ~ 85%,

Atmospheric pressure: 860mbar to 1060mbar.

3-2. Standard Test Fixture

1. rated Voltage (Square wave): 3V

2. Resonant Frequency: 4000Hz



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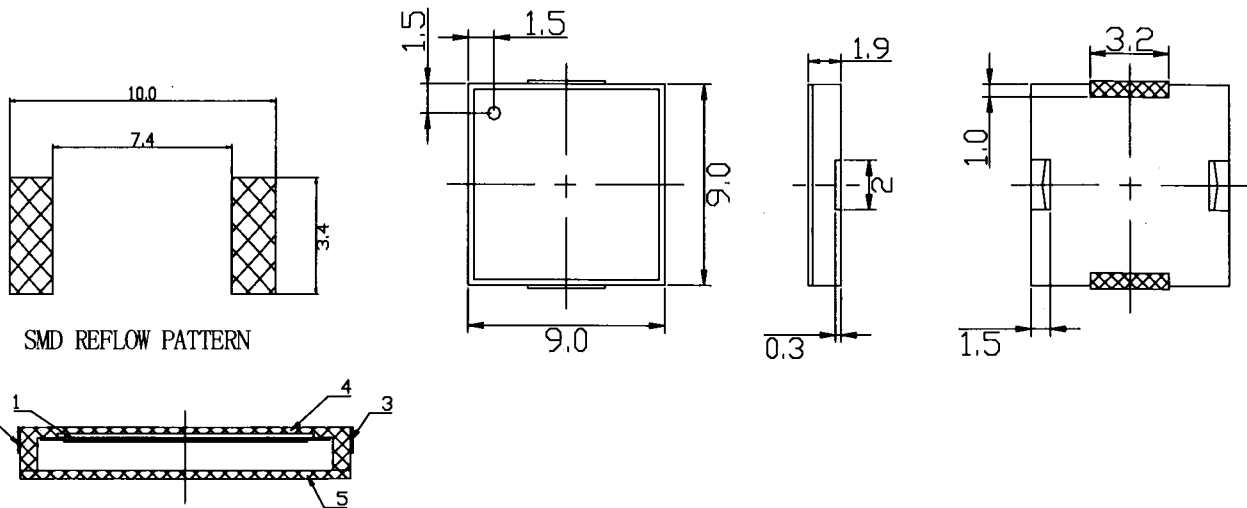
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5.DIMENSIONS

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



- 1) All parts must be meet to ROHS.
- 2) Reflow solder allowed and wash not allowed.

5	Cover	1	LCP	
4	Housing	1	LCP	
3	Pin	1	Brass (DSn)	
2	Pin	1	Brass (DSn)	
1	Piezo element	1	Nickel	
Part No.	Part Name	Q'TY	Material	Remark

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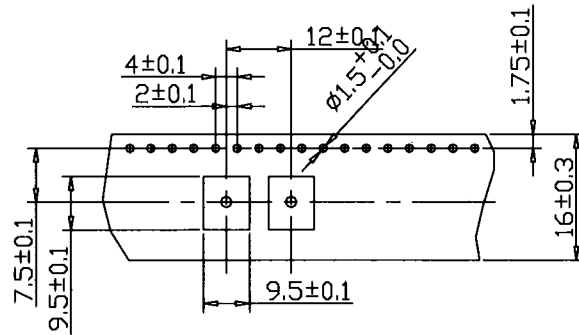
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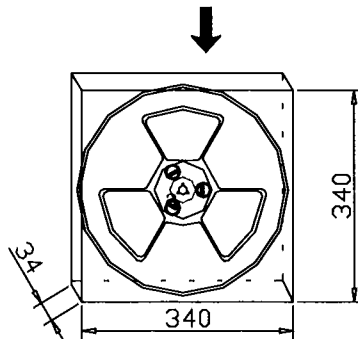
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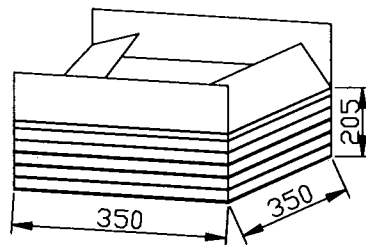
7.PACKING



2000PCS/SPPOOL 每卷放2000只



1ROLL CARRIER REEL/INNER BOX;1卷放入一内盒



10000PCS/CTN 每箱放10000只(5只内盒)

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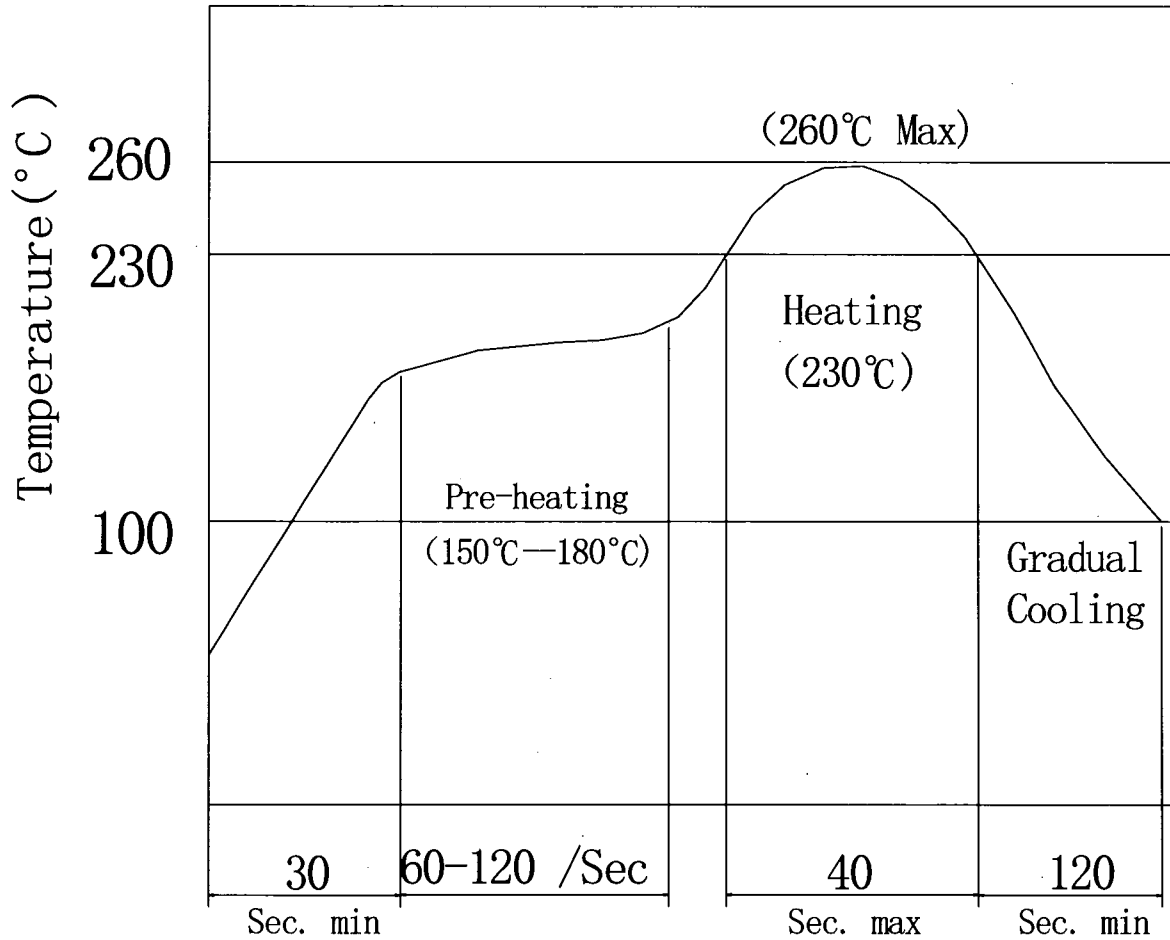
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7.RFLOW SOLDER CURVE



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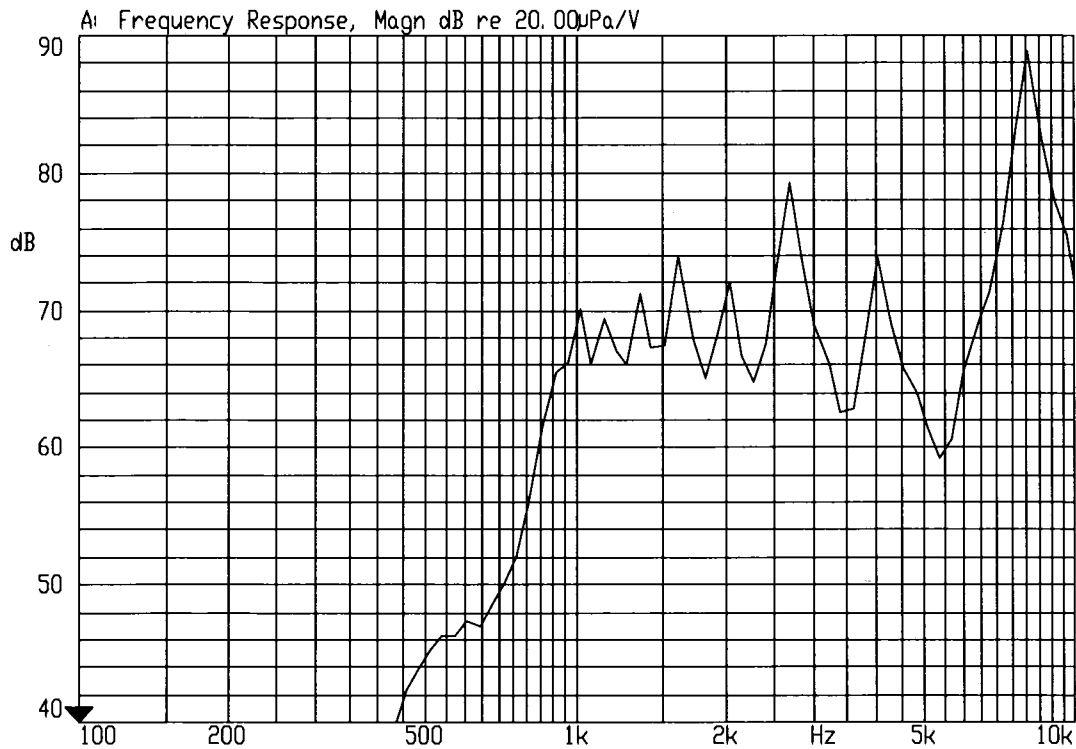
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7. CURVE

X: 100.00Hz *Y: 13.29dB* ZA: Live Curve SSR T. Ha.



Mode: SSR



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