

	Part name	SMD magnetic buzzers Passive	Date	2026-06-02
	Part number	BUZ-CET-0904-5.0-2.7	Edition	V1
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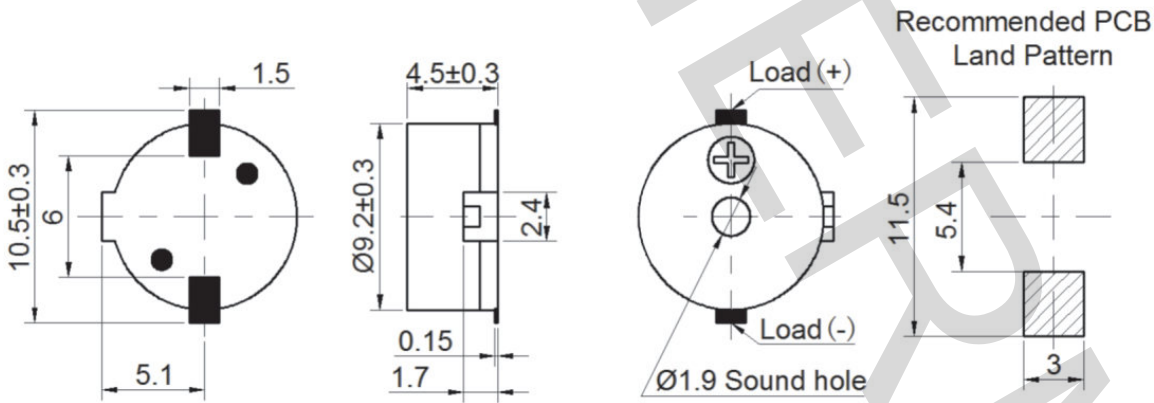
NO.	Model No.	L-KLS3-SMT-09*4.5L-5V
1	Rated Voltage (V)	5
2	Operating Voltage (V)	3~7
3	☆Coil Resistance (Ω)	25±4
4	Resonant Frequency (Hz)	2700
5	☆*Sound Output at 10cm (dB)	≥95
6	☆*Current Consumption (mA)	≤80
7	Operating Temperature (°C)	-40~+105
8	Storage Temperature (°C)	-40~+120
9	Weight (g)	0.4
10	Housing Material	LCP
11	RoHS	Yes

*Applying rated voltage (Resonant frequency, 1/2 duty, Square wave)

☆Test Basic State: Temp(20±2°C),Humidity(40~70%RH),Air pressure(860~1060hPa).

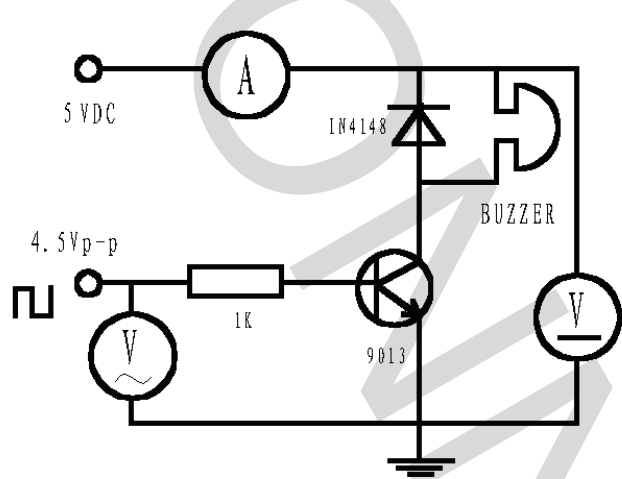
DIMENSIONS (UNIT: mm)

Tolerance: ±0.5mm Except Specified

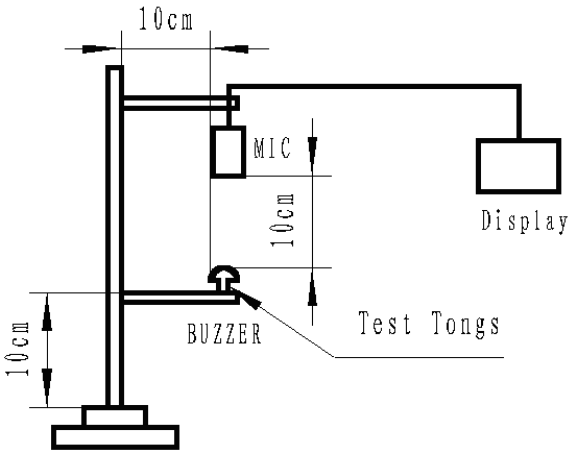


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TEST METHOD:

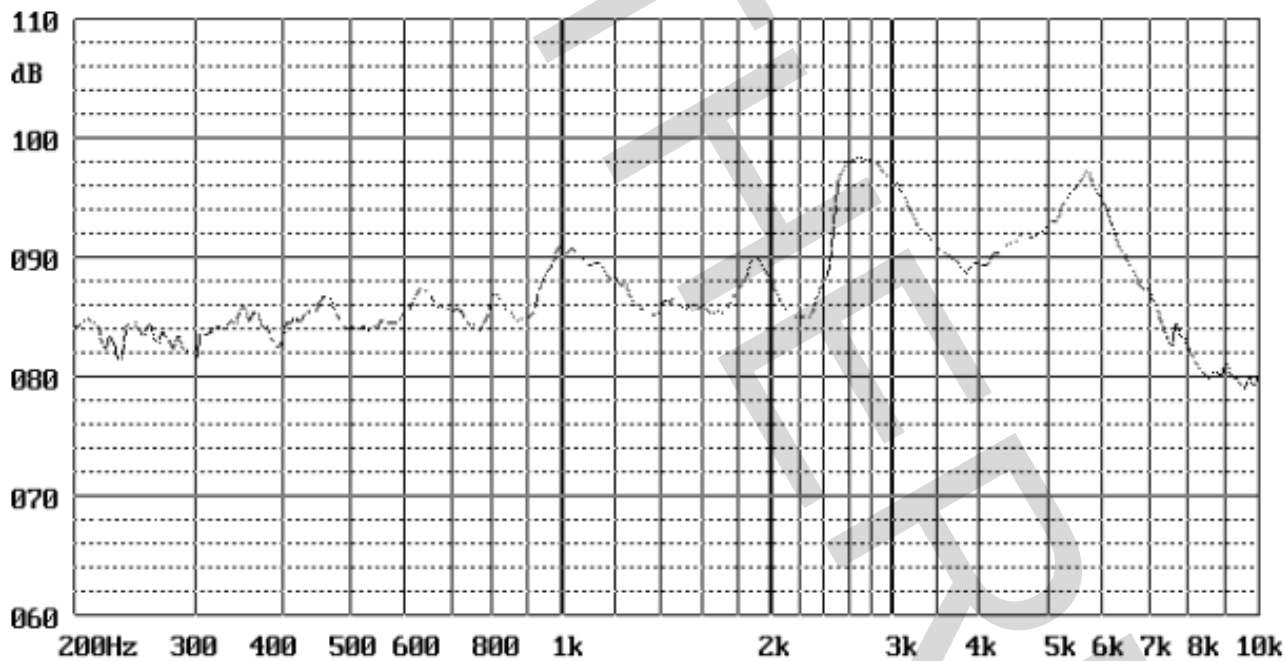


Test Circuit



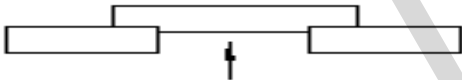
Test Equip

FREQUENCY RESPONSE:



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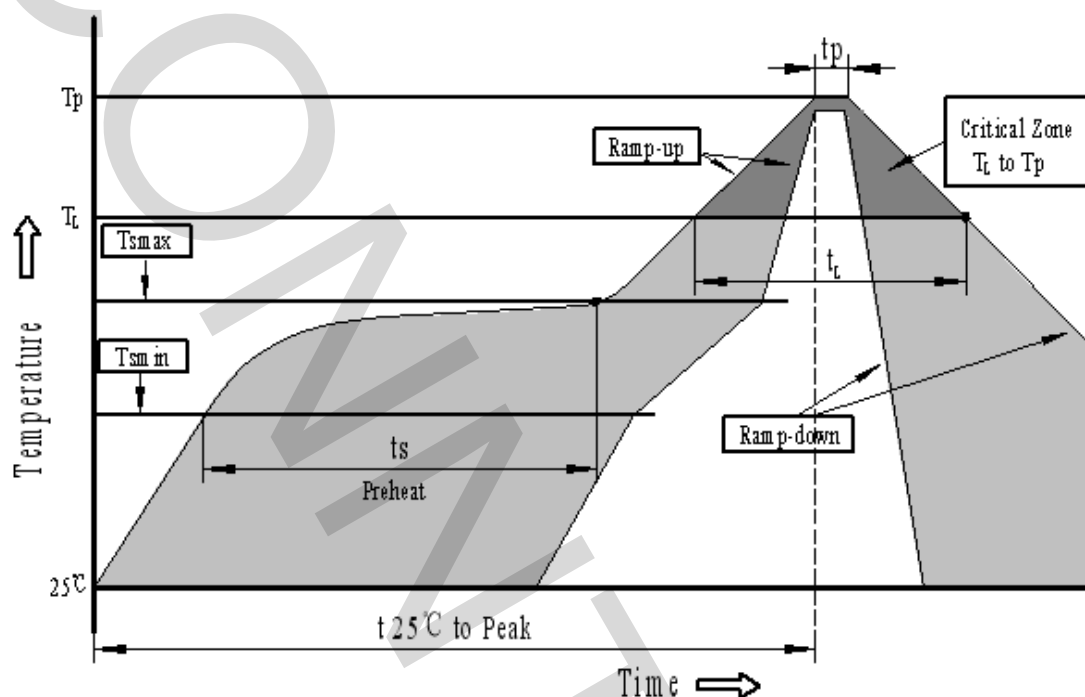
RELIABILITY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	High temp. storage	The part shall be capable of withstanding a storage temperature is $+120^{\circ}\text{C}$ for 120 hours	After being placed for 2 to 4hrs at room temp, the product shall meet specifications,except the SPL should be in $\pm 10\text{dB}$ compared with initial one.
2	Low temp. storage	The part shall be capable of withstanding a storage temperature is -40°C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of $-40 \pm 2^{\circ}\text{C}$, 30 minutes $20 \pm 5^{\circ}\text{C}$ 15 minutes $120 \pm 2^{\circ}\text{C}$, 30 minutes $20 \pm 5^{\circ}\text{C}$ 15 minutes	
4	Humidity Test	$40 \pm 2^{\circ}\text{C}$, 90~95% RH, 120 hours	
5	Vibration Test	To-and-fro. sweep time (from 10 to 55 Hz and then 55 to 10Hz) under single amplitude of 1.52mm is 1 minute. The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	The SPL shall meet specification.
6	Shock	Sounder shall be measured after being applied shock (980m/s ³) for each three mutually perpendicular directions to each of 3 times by half sine wave.	After the test, the product shall meet specifications,except the SPL should be in $\pm 10\text{dB}$ compared with initial one.
7	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).	
8	Lead pull	The part shall be pushed with a force of 9.8N for 10 ± 1 seconds behind the part. 	After the test part shall meet specifications without any degradation in appearance and performance.
9	Recommended temp. Profile for Reflow Oven	Shown in Fig.1	The SPL shall meet specification.

Warranty:For a period of one year from date of manufacture under normal operations.

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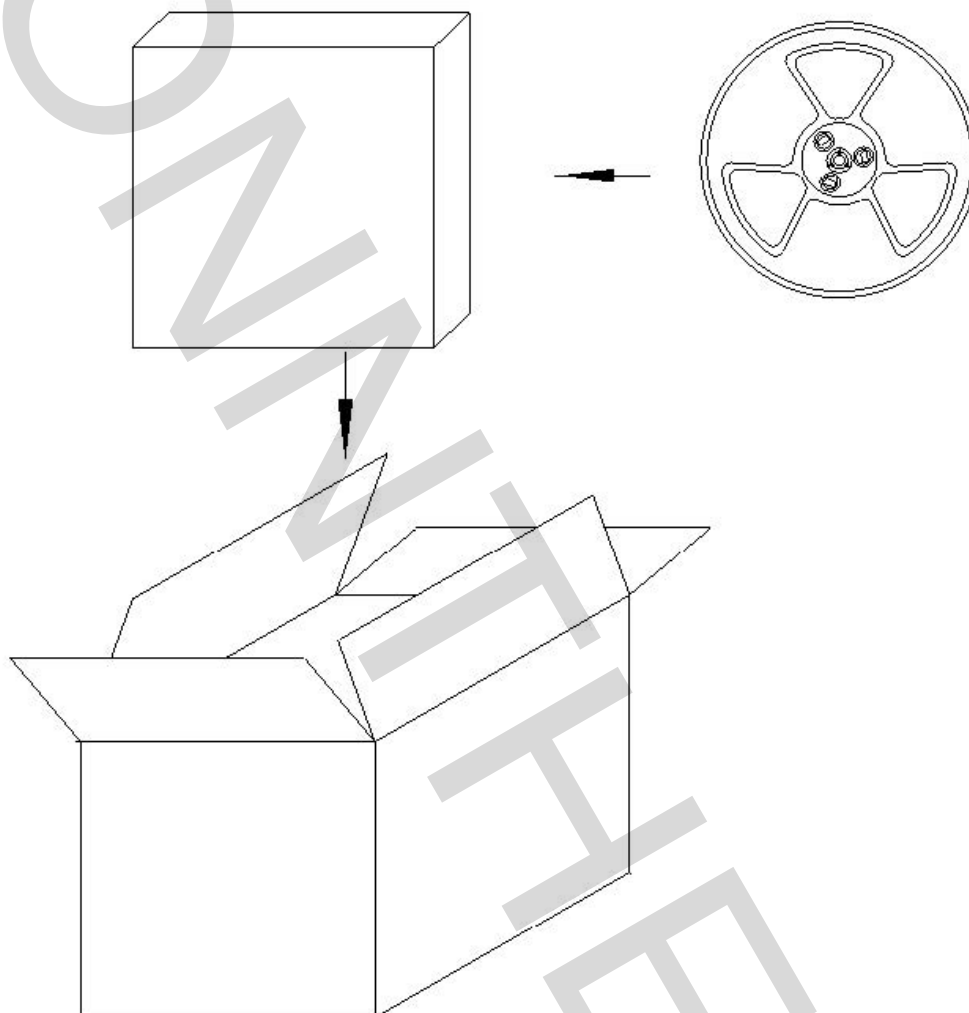
Recommended Temp. Profile for Reflow Oven (Fig.1)



Profile Feature	Pb-Free Assembly
Average ramp-up rate(T_L to T_p)	3°C/second max.
Preheat	
-Temperature Min.(T_{smin})	150°C
-Temperature Min.(T_{smax})	200°C
-Temperature Min.(ts)	60~180 seconds
T_{smax} to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T_L)	217°C
-Time(t_L)	60~150 seconds
Peak temperature(T_p)	250°C +0/-5°C
Time within 5°C of actual Peak temperature (tp)	6 seconds max.
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

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PACKING:



NOTES:

1.800PCS per box

2.Total 10 boxes per carton