

Electrical and Acoustical Parameter

Rated Voltage (V)	3.0
Operating Voltage (V)	2.0 – 4.0
Coil Resistance (Ω)	16+/-3
Current Consumption (mA) *	max. 80
Sound pressure level (dBA/o.1m) *	min. 92
Resonant Frequency (Hz)	2700
Remark:	*Applying rated voltage (Resonant frequency, 1/2 duty, Square wave)

Mechanical, Environmental Parameter

Contact / Wire	SMD
Operating temperature (°C)	-40 to +105
Storage temperature (°C)	-40 to +105
Material housing	LCP
Color Housing	Black
Component weight (g)	0.8
Remark:	

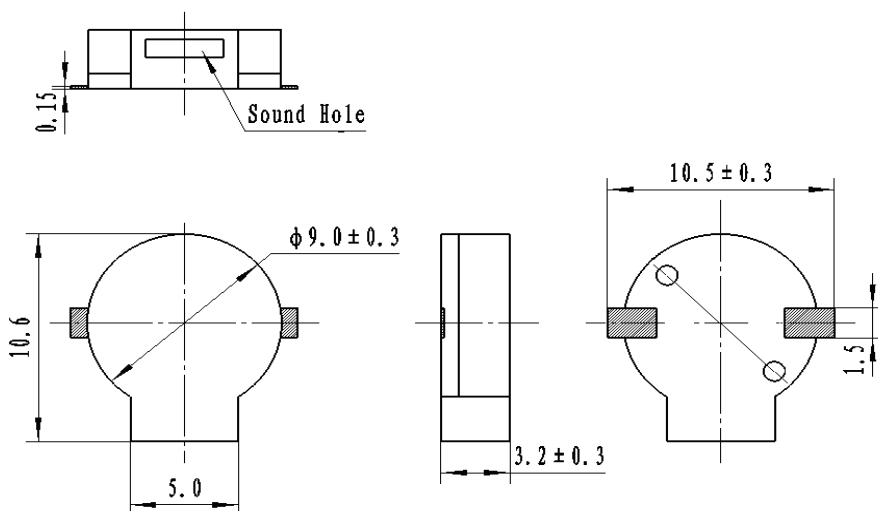
Approval

RoHs	☒
UL	☐

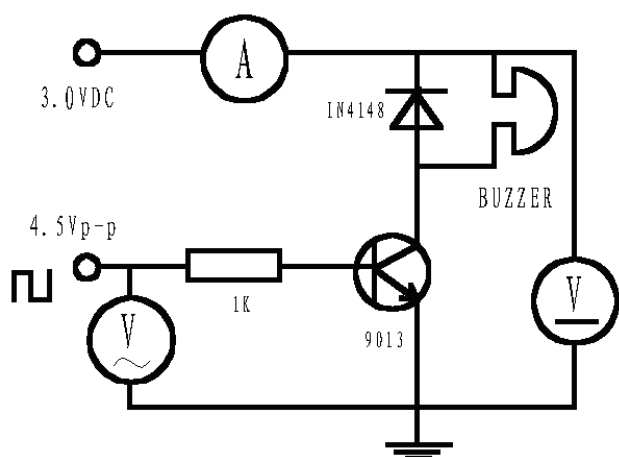
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Released by	CB	02.04.2015	Drawing number 150402.1PDB		02.04.2015
Changed by					Page 1 of 7

Drawing of Component

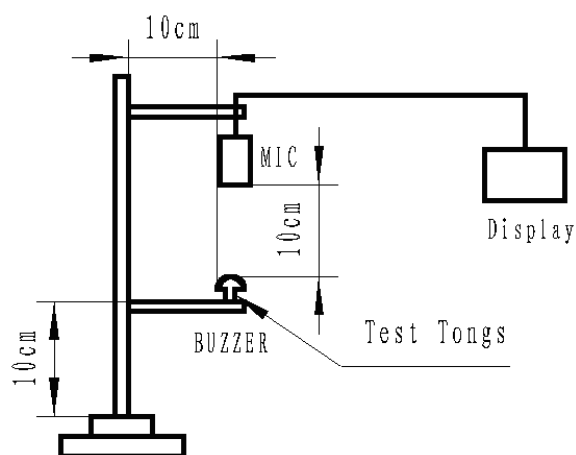
Unit:mm



Test Method



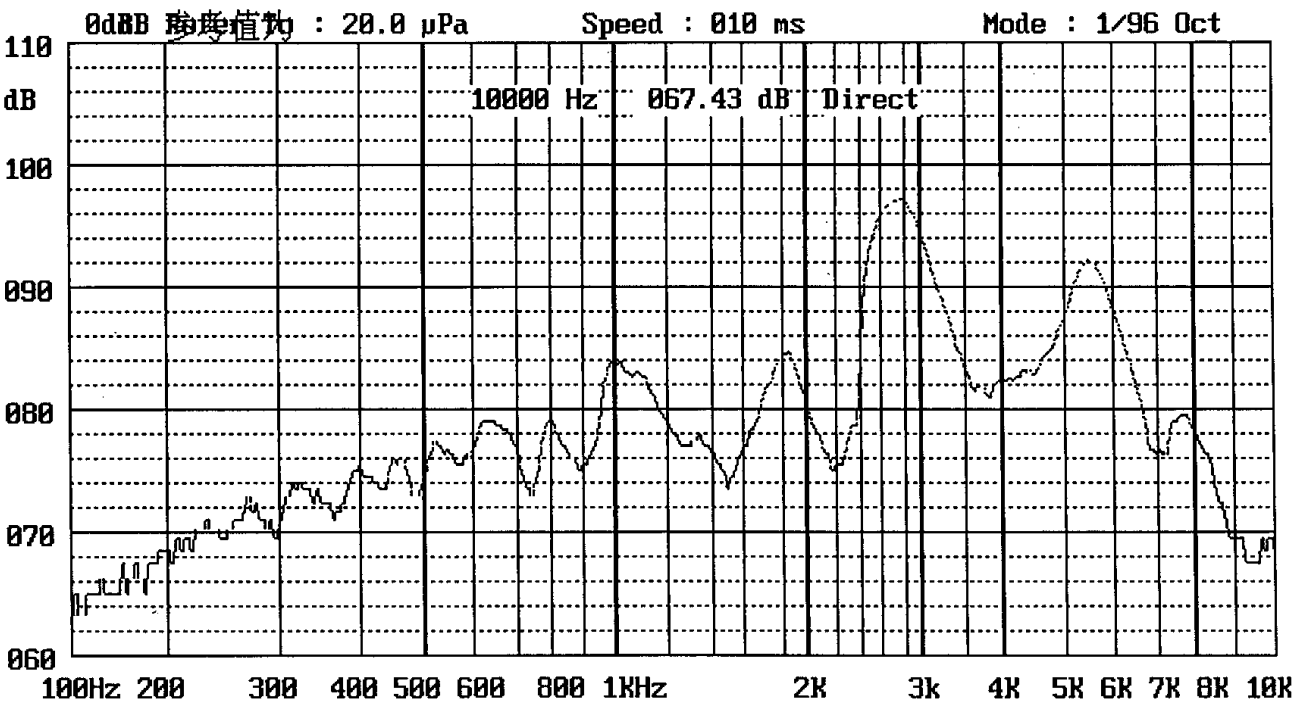
Test Circuit



Test Equip

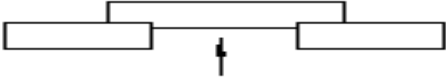
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Released by	CB	02.04.2015	Drawing number	150402.1PDB	02.04.2015
Changed by					Page 2 of 7

Frequency Response

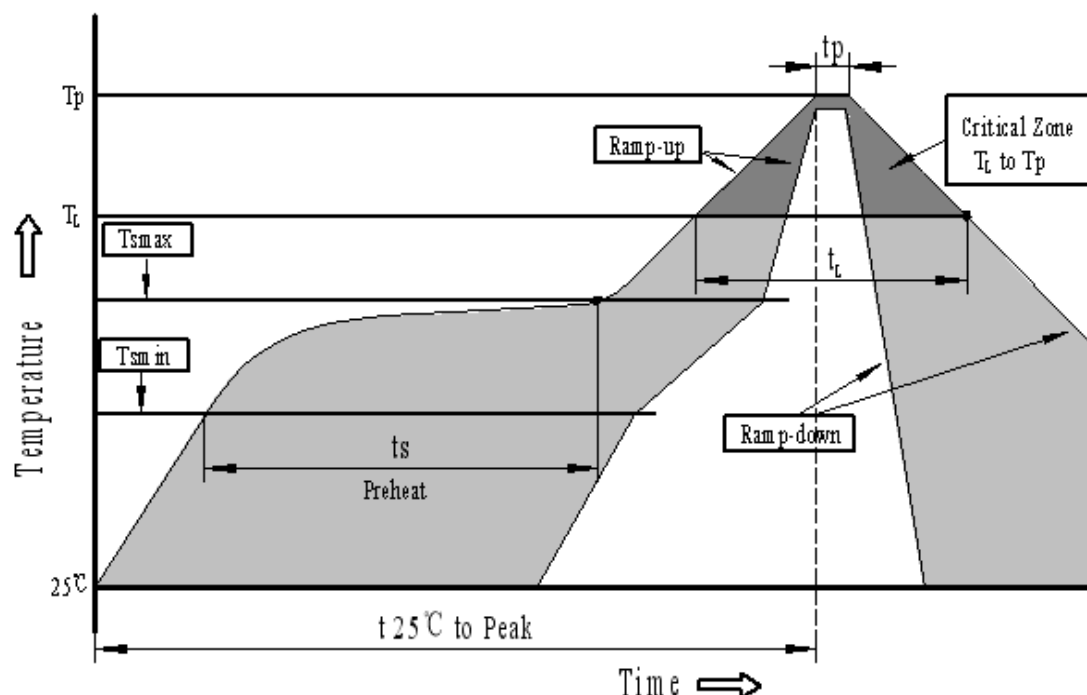


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Released by	CB	02.04.2015	Drawing number 150402.1PDB		02.04.2015
Changed by					Page 3 of 7

Reliability Test

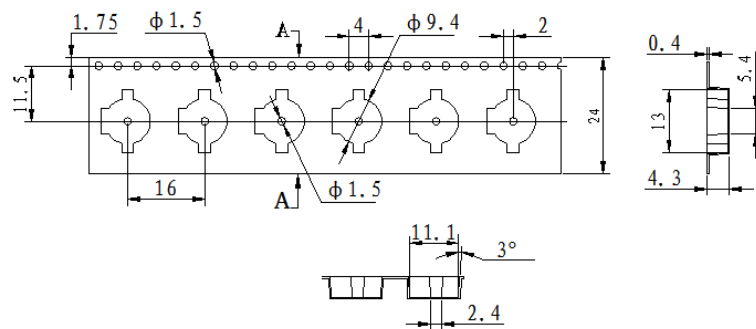
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	High temp. storage life	The part shall be capable of withstanding a storage temperature is +80°C for 120 hours	After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value±10dB or more.
2	Low temp. storage life	The part shall be capable of withstanding a storage temperature is -30°C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -30±2°C, 30 minutes 20±5°C 15 minutes 80±2°C, 30 minutes 20±5°C 15 minutes	
4	Humidity Test	40±2°C, 90~95% RH,120 hours	
5	Vibration Test	The part shall be subjected to a vibration cycle is 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm(9.3g). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	
6	Shock	Sounder shall be measured after being applied shock (980m/s²) for each three mutually perpendicular directions to each of 3 times by half sine wave.	
7	Drop Test	Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions-upper and side of the part are to be applied.	
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	

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



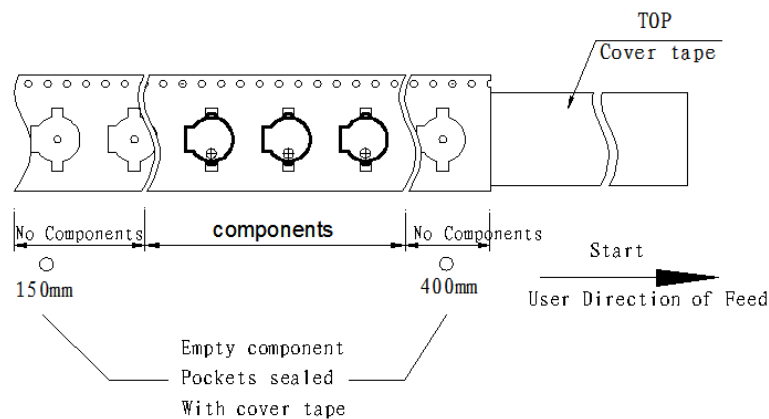
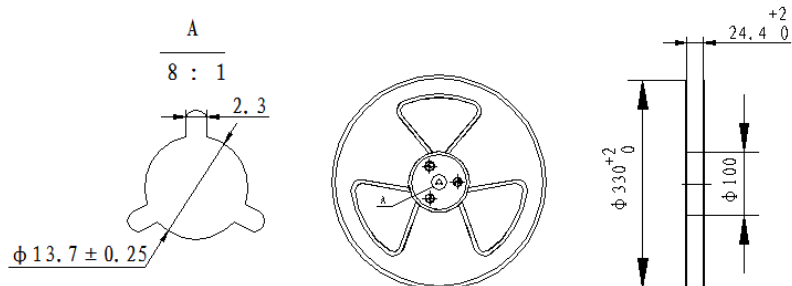
Profile Feature	Pb-Free Assembly
Average ramp-up rate(T_L to T_p)	3°C/second max.
Preheat	
-Temperature Min.(T_{smin})	150°C
-Temperature Min.(T_{smax})	200°C
-Temperature Min.(t_s)	60~180 seconds
T_{smax} to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T_L)	217°C
-Time(T_L)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

Packaging Information



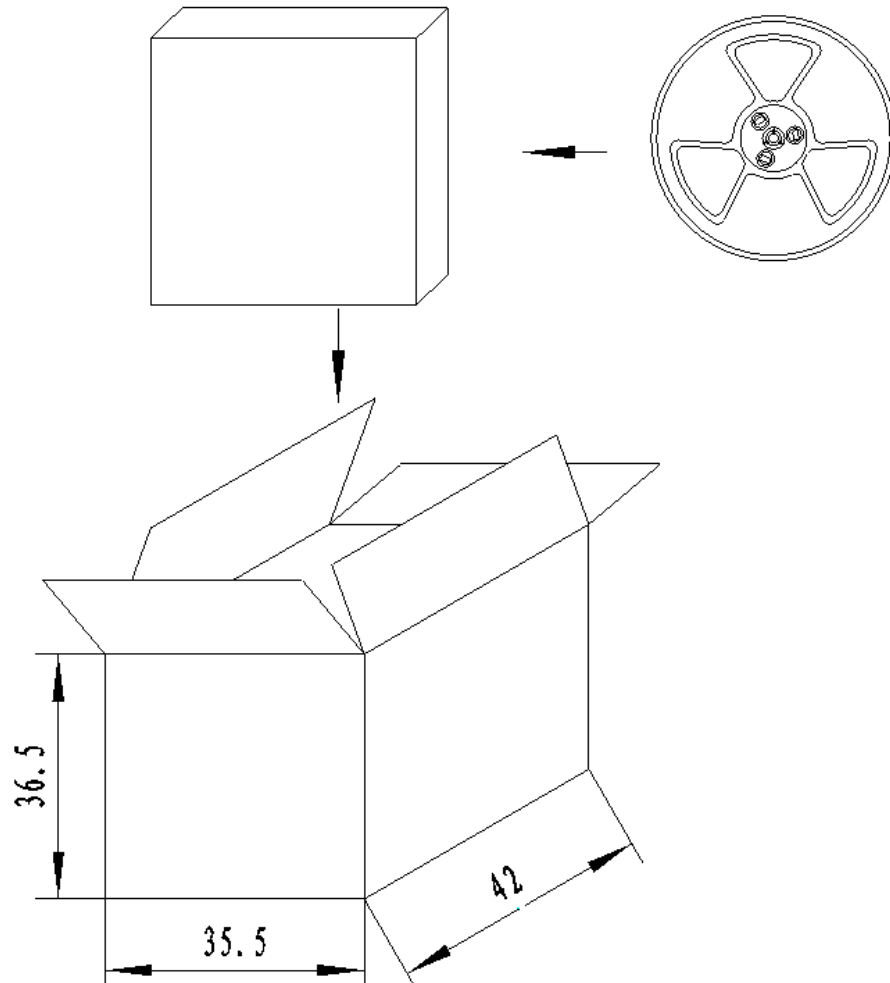
NOTE:

- 1.10 sprocket hole pitch cumulative tolerance $\pm 0.2\text{mm}$.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: $0.4 \pm 0.05\text{mm}$.
4. Component loaded per 13" reel: 1000pcs.



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Changed by				Page 6 of 7	

150402.1PDB



- NOTES:
- 1.1000PCS per box
 - 2.Total 10 boxes per carton
 - 3.Total 10000 PCS carton

Revision Table

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

Designed by	MZ	02.04.2015	Dimensions without tolerance $\pm 0.5\text{mm}$	Index: 00	Current date
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Changed by					Page 7 of 7