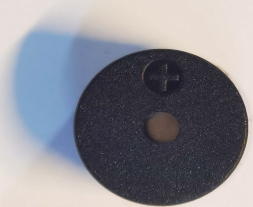


WT BUZZER

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Product Number: WT-1210T



Release | Revision: A/2026

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Specifications			
Item	Unit	Specification	Condition
Rated Voltage	Vo-p	1.5	
Operating Voltage	Vo-p	1.0 ~ 2.0	
Mean Current	mA	40 Max.	At rated voltage
Coil Resistance	Ω	16±3	
Sound Output	dB	Min.85	At 10cm at rated voltage
Rated Frequency	Hz	2800	
Operating Temp	°C	-30 ~ +70	
Storage Temp	°C	-40 ~ +85	
Dimension	mm	Ø12.0×H10.0	See attached drawing
Weight	gram	1.8	
Material		PBT(Black)	
Terminal		Pin Type	Plated Brass(Sn)
Environmental Protection Regulation		RoHS	

Test condition:

Temperature: +25±2 °C Related humidity: 65±5% Air pressure: 86-106KPa

Mechanical Characteristics		
Item	Test condition	Evaluation standard
Solderability	Lead terminals are immersed in the solder bath at +260±5°C for 3±1 seconds.	90% min. lead terminals shall be wet with solder.
Soldering Heat Resistance	The product follows the reflow temperature curve to test its reflow thermal stability.	No interference in operation.
Terminal Mechanical Strength	The force of 9.8N(1kg) is applied to each terminal in axial direction for 1 minute..	No damage and cutting off.
Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 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 axis in each three axes(X,Y,Z). A total 6 hours.	After the test, the part shall meet specifications without any damage in appearance and performance except SPL. The SPL should be in ±10dBA compared with initial one.
Drop Test	The part is dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X,Y,Z). A total of 9 times.	

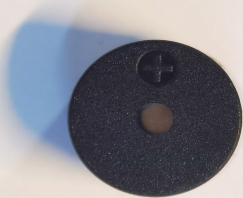


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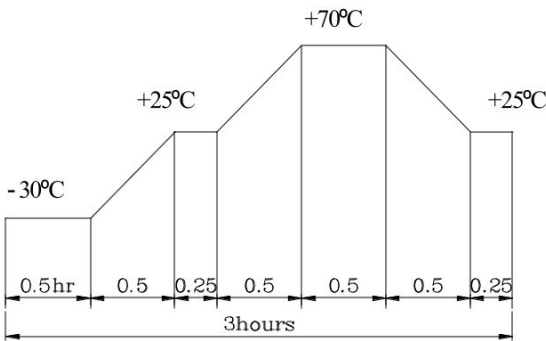
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Environment Test

Item	Test condition	Evaluation standard
High Temp. Test	The part is placed in a chamber at +85°C for 96 hours.	After the test, the part shall meet specifications without any degradation in appearance and performance except SPL. After 4 hours at +25°C, the SPL should be in ±10dBA compared with initial one.
Low Temp. Test	The part is placed in a chamber at -40°C for 96 hours.	
Thermal Shock	The part shall be subjected to 10 cycles.	
Temp./Humidity Cycle	The part shall be subjected to 5 cycles. One cycle shall be 3 hours and consist of:	



Reliability Test

Item	Test condition	Evaluation standard
Operating Life Test	Ordinary Temperature The part shall be subjected to 96 hours of continuous operation at +25°C±10°C at rated voltage applied.	After the test, the part shall meet specifications without any degradation in appearance and performance except SPL. After 4 hours at +25°C, the SPL should be in ±10dBA compared with initial one.
	High Temperature The part shall be subjected to 96 hours of continuous operation at +85°C at rated voltage applied.	
	Low Temperature The part shall be subjected to 96 hours of continuous operation at -40°C at rated voltage applied.	

Standard test condition:

- a) Temperature: +5~+35°C
- b) Humidity: 45~85%
- c) Pressure: 86~106KPa



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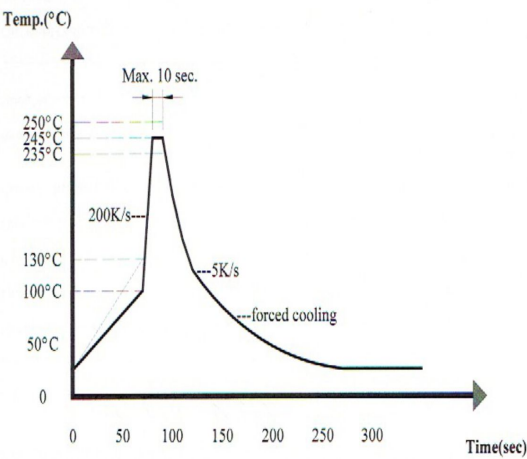
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Recommended Wave Soldering Temperature Curve

RECOMMENDED TEMPERATURE PROFILE

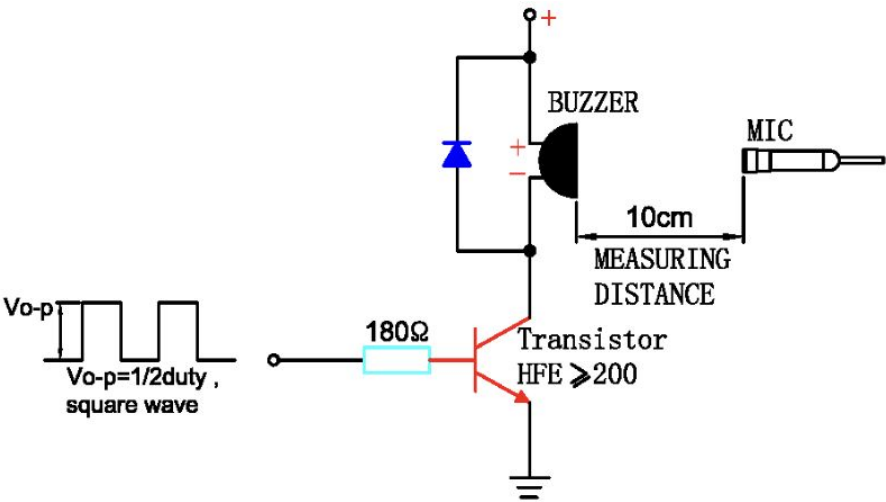
* Wave Soldering profile of lead-free



Recommendable wave soldering condition is as follows:
Note 1: It is requested that wave soldering should be executed after heat of product goes down to normal temperature.
Note 2: Peak wave temperature of 235°C maximum of 10 seconds.

Measurement Test Circuit

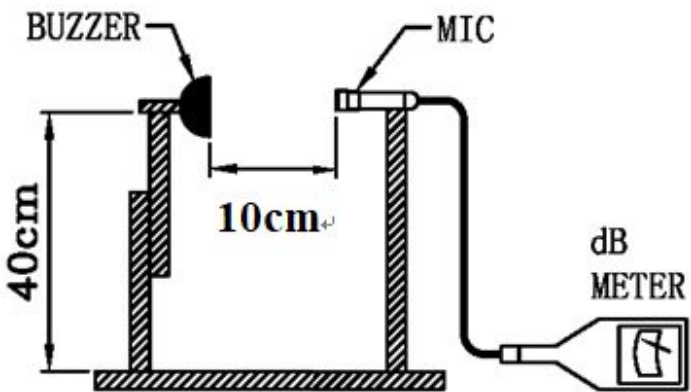
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below:



Inspection Fixture

S.P.L Measuring Circuit

Input Signal: 1.5 Vo-p, square wave, ½ duty, 2800 Hz



Mic: RION S.P.L meter UC30 or equivalent
S.G: Hewlett Packard 33120A Function Generator or equivalent

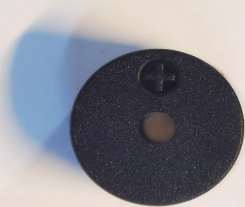


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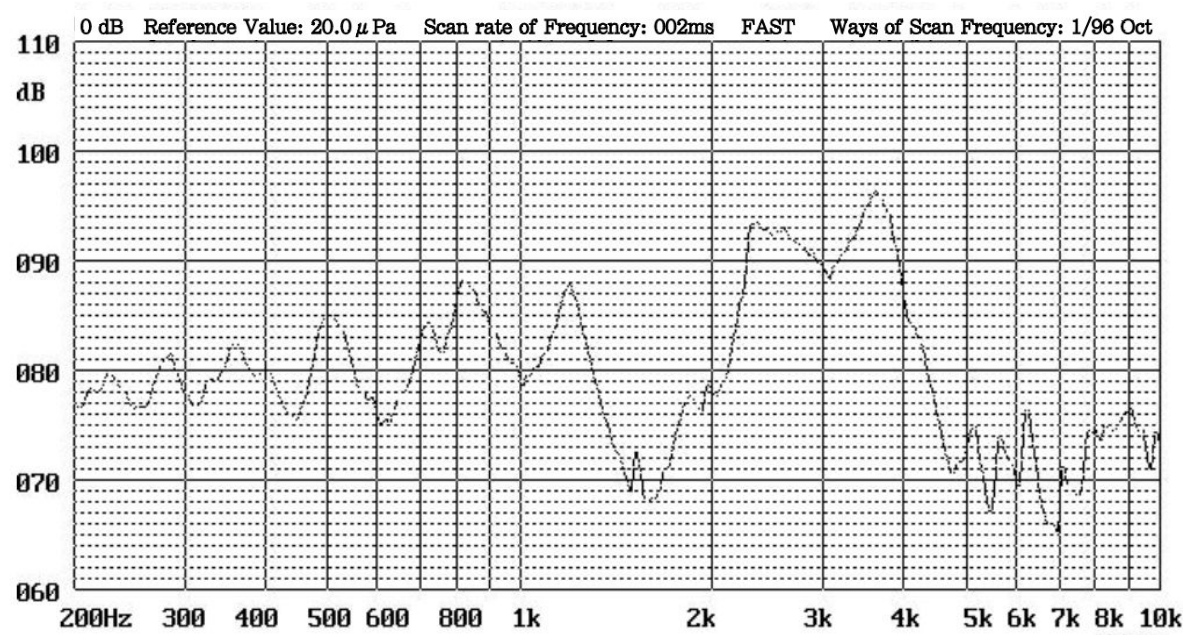
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Typical Frequency Response Curve

1.5Vo-p,50%duty square wave 10 cm





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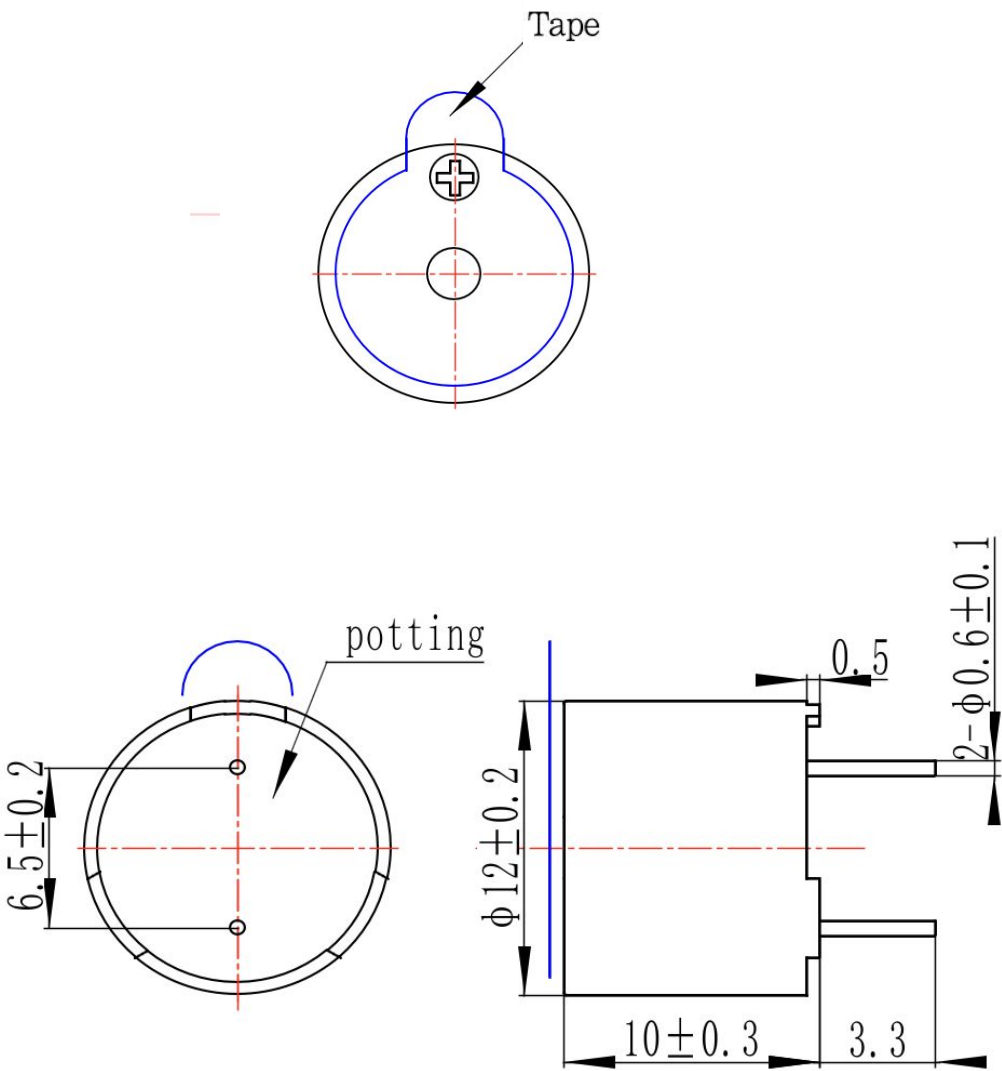
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Tolerance: ±0.5 (unit: mm)





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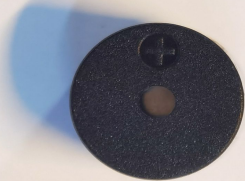
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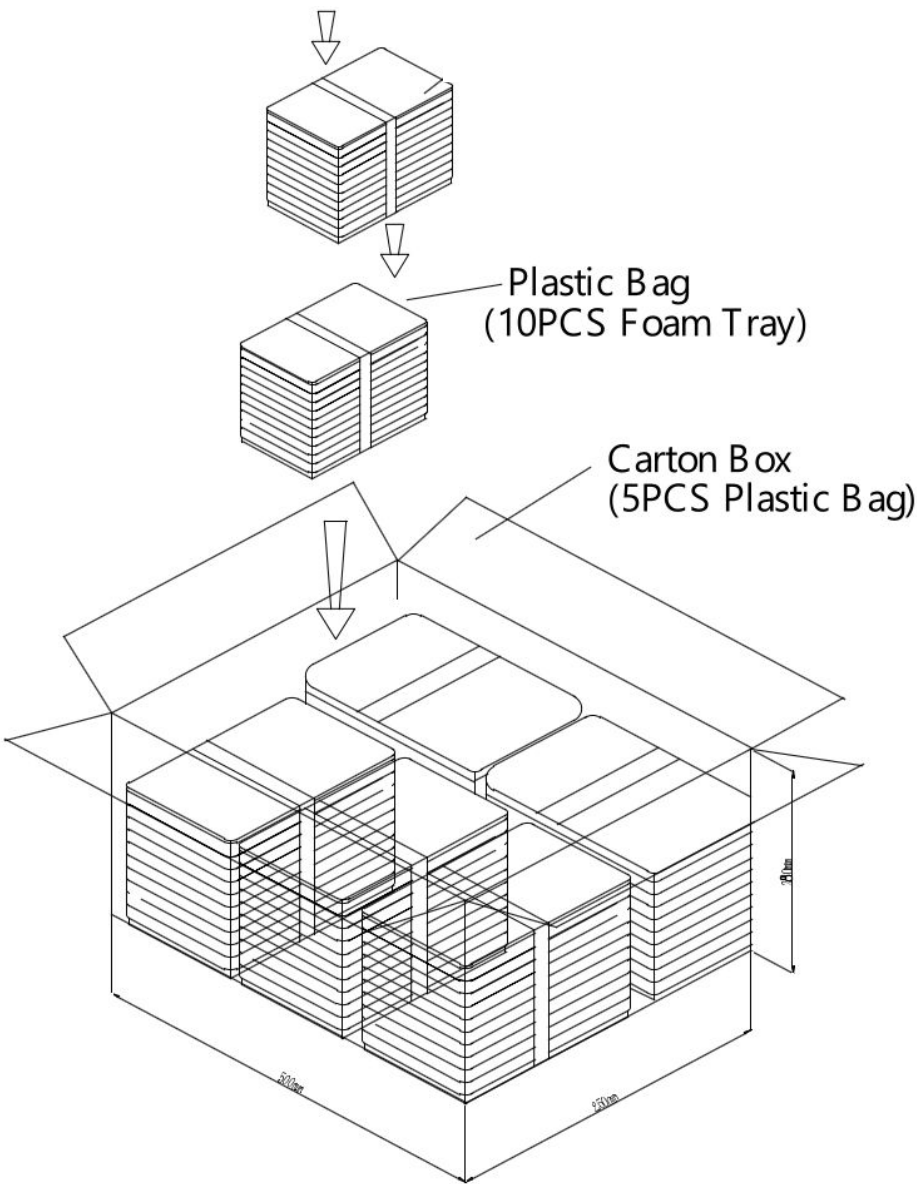
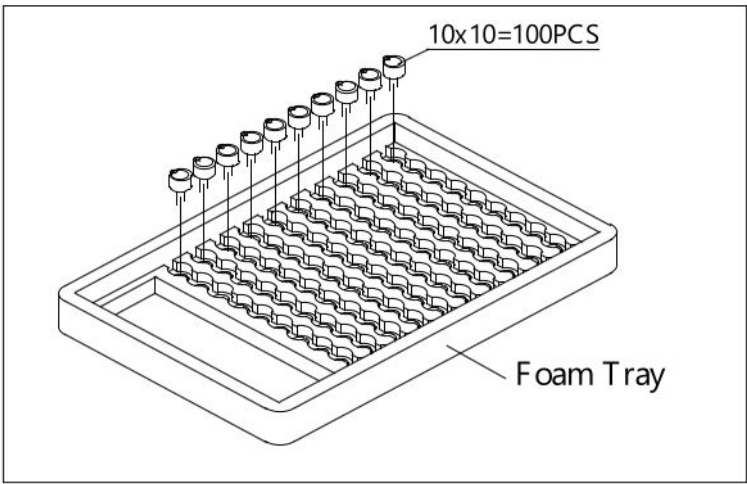
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Packing



Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	515mmx420mmx260mm	5x1000PCS=5,000PCS