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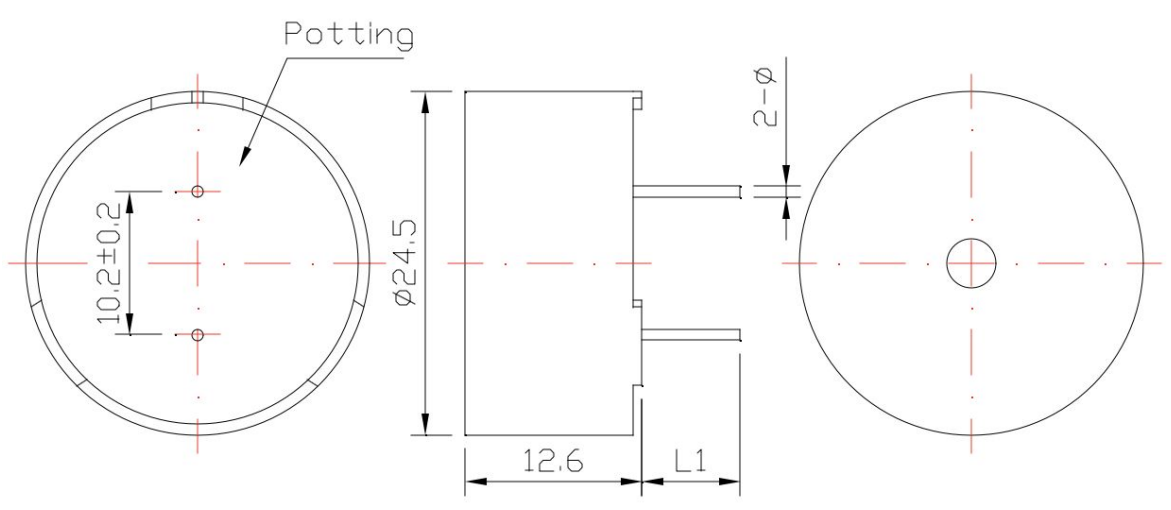
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Specifications

Item	Unit	Specifications
Rated Voltage	Vo-p	12
Operating Voltage	Vo-p	8-16
Rated Current	mA	Max. 55 at 800Hz 50% duty cycle, square wave, 12 Vo-p
Sound Output	dB	Min. 93 at 800Hz 50% duty cycle, square wave, 12Vo-p
Coil Resistance	Ω	115±3
Resonant Frequency	Hz	600-1000
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +105
Dimensions	mm	Φ24.5 × H12.6
Pin Length	mm	L1= 7.0±0.5, Φ=0.8±0.1
Housing Material		Black PBT
Net Weight	gram	Approx. 3.4
Terminal		Pin Type
Environmental Protection Regulation		RoHS 2.0

Dimensions

Unit mm
Tolerance ±0.5mm, except where specified



Housing Material: Black PBT

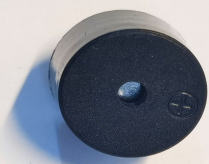


soberton inc.

ELECTRO
MAGNETIC
BUZZER

Acoustic Product Specification

Product Number: WT-2512T



Release | Revision: A/2026

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Reliability Test

After any of the following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall meet the specifications and shall not deviate more than -10dB from the initial value.

Standard Temperature Life Test

The part shall be subjected to 96 hours at 25±10°C.

Input rated voltage: 12 Vo-p

Resonant frequency: 800Hz, 50% duty cycle, square wave.

High Temperature Test

The part shall be capable of withstanding a storage temperature of +85°C for 96 hours.

Low Temperature Test

The part shall be capable of withstanding a storage temperature of -40°C for 96 hours.

Humidity Test

Temperature +40°C±3°C

Relative Humidity 90% ~ 95%

Duration 48 hours and exposure to room temperature for 6 hours

Temperature Shock Test

Per cycle
70°C /1 hour → 25°C/3 hours → -30°C/1 hour → 25°C/3 hours

Total cycle 10 cycles

Drop Test

Standard Packaging from 1.2m

Drop on hardwood or board of 5cm thick, three sides, six plain

Vibration Test

Vibration 1000 cycles/min.

Amplitude 1.5mm

Duration 1 hour in each 3 axes

Note

Please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. Contamination may result in a loss of some or all audio output.

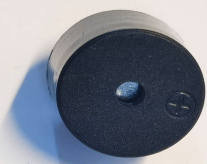


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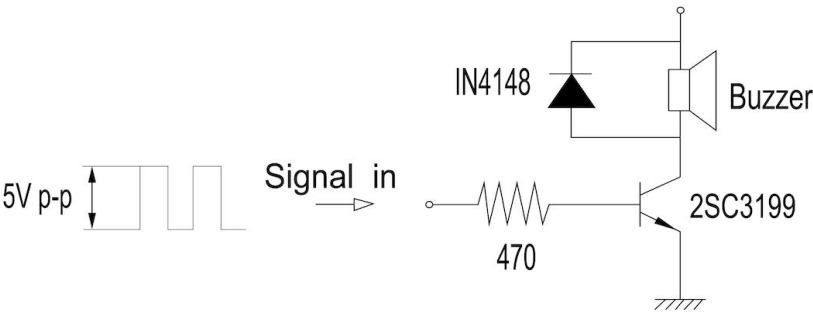
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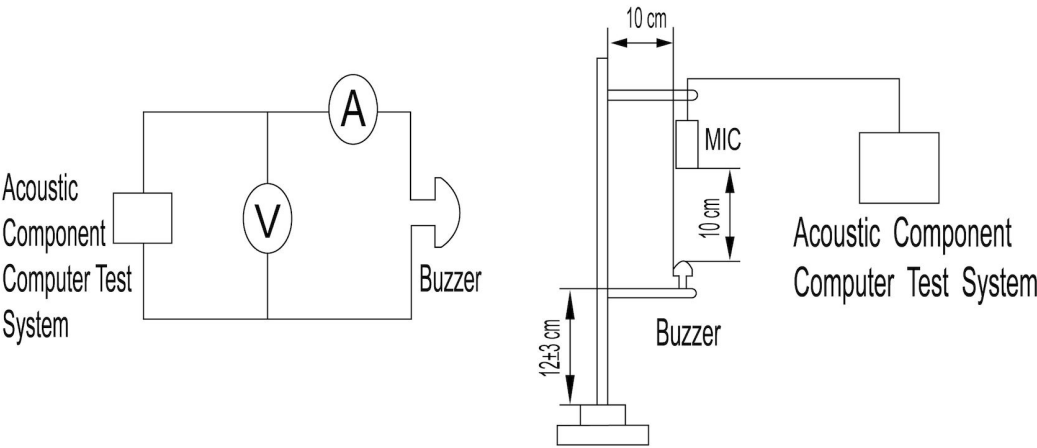
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Electrical and Acoustical Measuring Condition

Recommended Driving Circuit
Resonant frequency, 50% duty cycle, square wave.
Signal amplitude should be large enough to saturate the transistor.

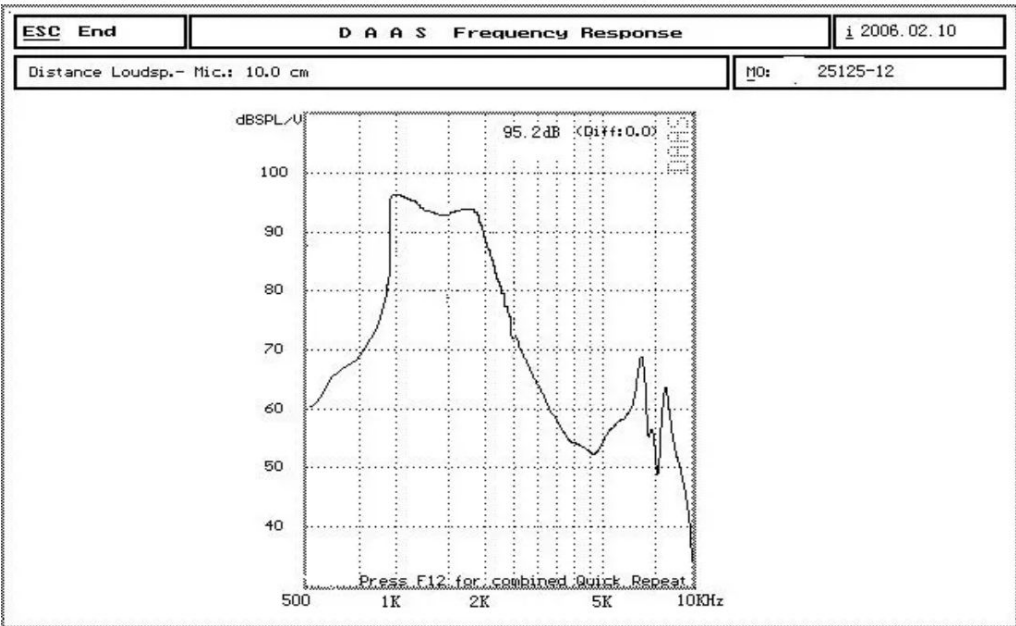


Recommended Setting

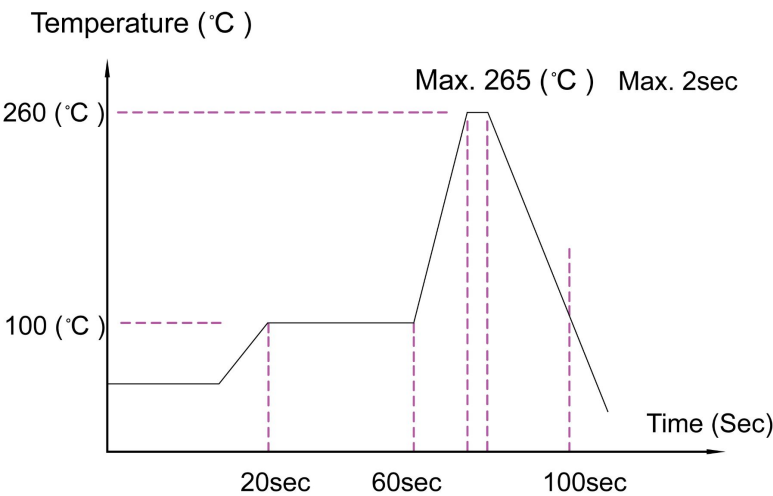


Frequency Response

12 Vo-p , 50% duty cycle, square wave, 10cm



Recommended Wave Soldering Temperature



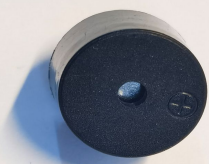


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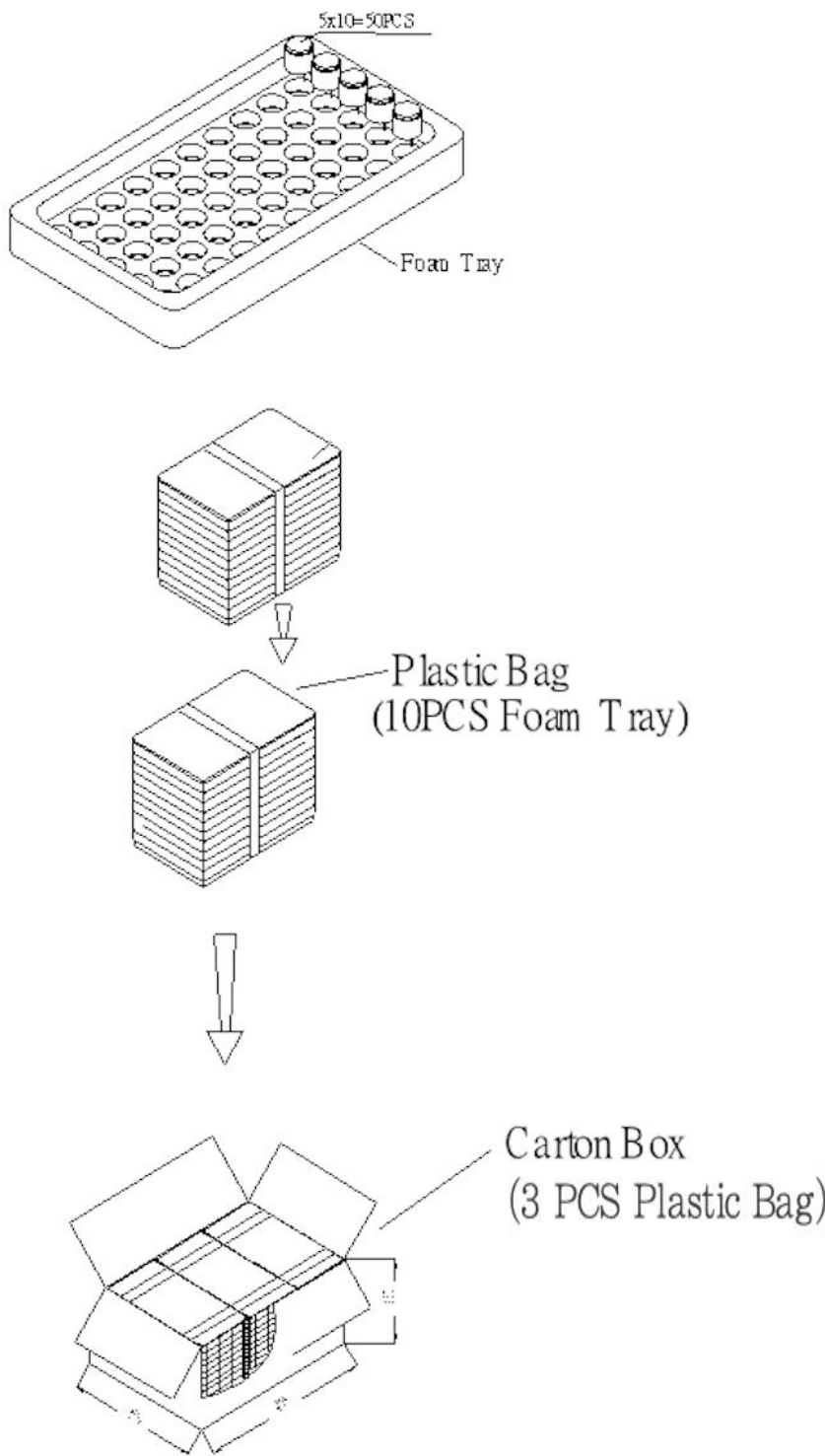
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Packing Method	Quantity (pc)	Measurement (mm)
Per Tray	50	320x170x27
Bundle	500	10 Trays
Carton	1500	540x340x295