SPECIFICATIONS SHEET FOR APPROVAL

MAGNETIC BUZZER
P/N: MBS9650A5PM-02

DESCRIPTION: L9.6mm, W9.6mm, H5.0mm Magnetic Buzzer, 2700Hz, 5VDC, 83dB at 10cm, SMD With label on top

VERSION: 01

DATE: 28-Oct-16

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	28-Oct-16

APPROVED BY :

CUSTOMER NAME :
DATE :

SOUND COMPONENTS LIMITED 聲港科技有限公司
Unit 2112-2113 • 21/F • International Trade Centre • 11-19 Sha Tsui Road • Tsuen Wan • Hong Kong
香港荃灣沙咀道11-19號達貿中心21樓2112-13室
Tel: +852 2304 4000 Fax: +852 2304 7000
email: sales@hk-sound.com website: www.hk-sound.com

SPECIFICATIONS SHEET

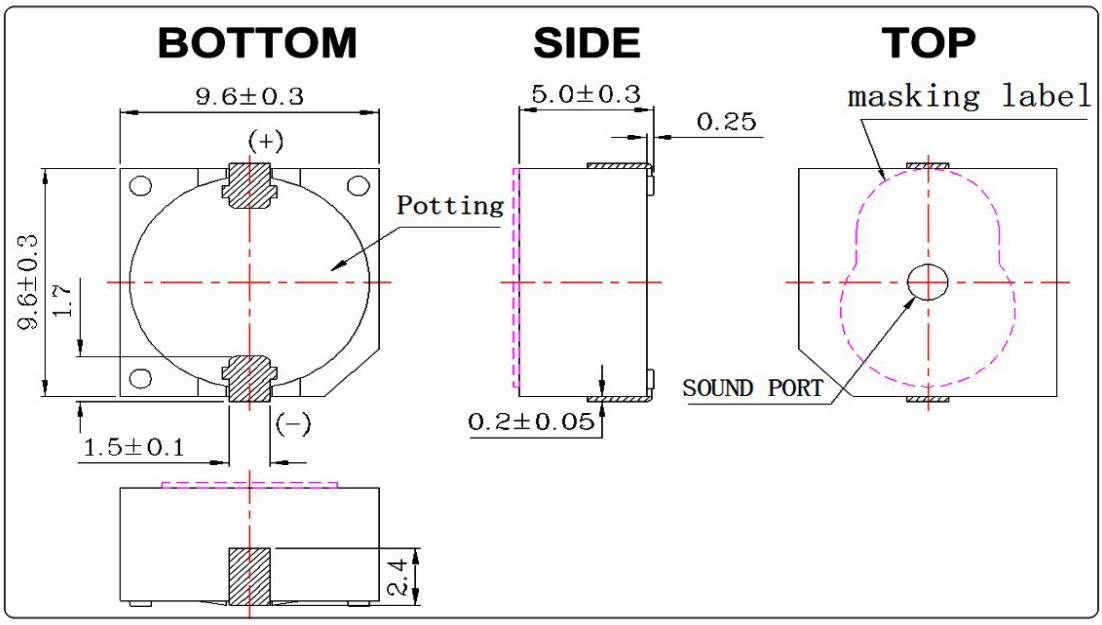
MAGNETIC BUZZER
P/N: MBS9650A05PM-02

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*MIN SOUND PRESSURE LEVEL AT 10 CM	83	dBA
RATED VOLTAGE	5	Vdc
OPERATING VOLTAGE	4 – 7	Vdc
RESONANCE FREQUENCY	2,700 ± 300	Hz
*MAX OPERATING CURRENT	30	mA
OPERATING TEMPERATURE	-20 to +85	℃
STORAGE TEMPERATURE	-40 to +85	℃
HOUSING	PPS	-
WEIGHT	1.5	g

*Value applying rated voltage

2. DIMENSIONS (unit in mm)



Tolerance: ±0.5mm except specified

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All specifications subject to change without notice

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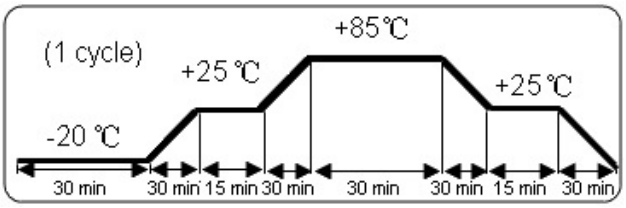
3. RELIABILITY TEST

a) HIGH TEMPERATURE TEST
After exposure at +85 ± 2℃ for 96 hours and room temperature for 2 hours,the value of frequency/current/ SPL should meet specifications shown in page 2.

b) LOW TEMPERATURE TEST
After exposure at -20 ± 2℃ for 96 hours and room temperature for 2 hours,the value of frequency/current/ SPL should meet specifications shown in page 2.

c) HUMIDITY TEST
25 ± 2℃, 90-95%RH, 5hr=>up to 55 ± 2℃, 90-95%RH, 0.5hr =>55 ± 2℃, 90-95%RH, 5hr=>down to 25 ± 2℃, 90-95%RH, 0.5hr, 10 cycles

d) THERMAL SHOCK TEST



After exposure to above temperature cycle for 5 times and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

e) VIBRATION TEST
After vibrating the object with 1.5mm amplitude at 10 - 50 Hz in 3 perpendicular directions for 2 hours each, the value of frequency/current/SPL should meet specifications shown in page 2.

f) DROP TEST
After Dropping naturally from 700mm height onto the surface of 10mm wooden board with 3 directions,the value of frequency/current/SPL should meet specifications shown in page 2.

g) SOLDERING HEAT RESISTANCE
Samples put through reflowing soldering oven 2 twice

h) SOLDERABILITY
Samples put on PCB with solder paste through reflowing soldering oven 1 times

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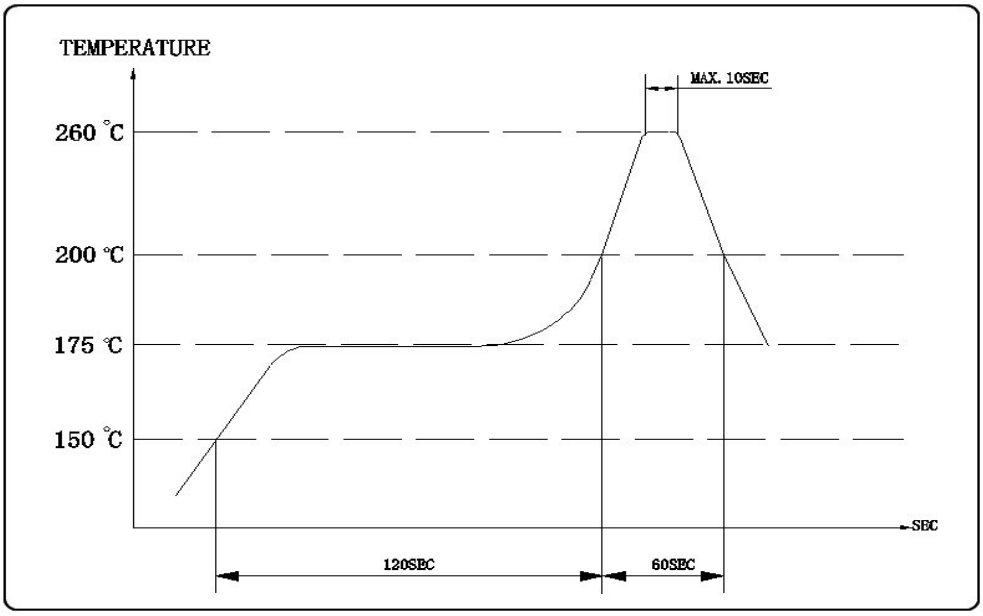
4. RECOMMENDED REFLOWING PROFILE



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