APPROVAL SHEET
FOR
MAGNETIC BUZZER

深 圳 市 銳 創 達 電 子 有 限 公 司

TAT ELECTRONICS CO. LTD.

CUSTOMER:

PART NUMBER: BM1295-0527-42

CUSTOMER PART NO.:

CUSTOMER	APPROVED	CHECKED
	钟云莎	郑飞
SIGNECTURE (Customer)		SIGNECTURE (Company)

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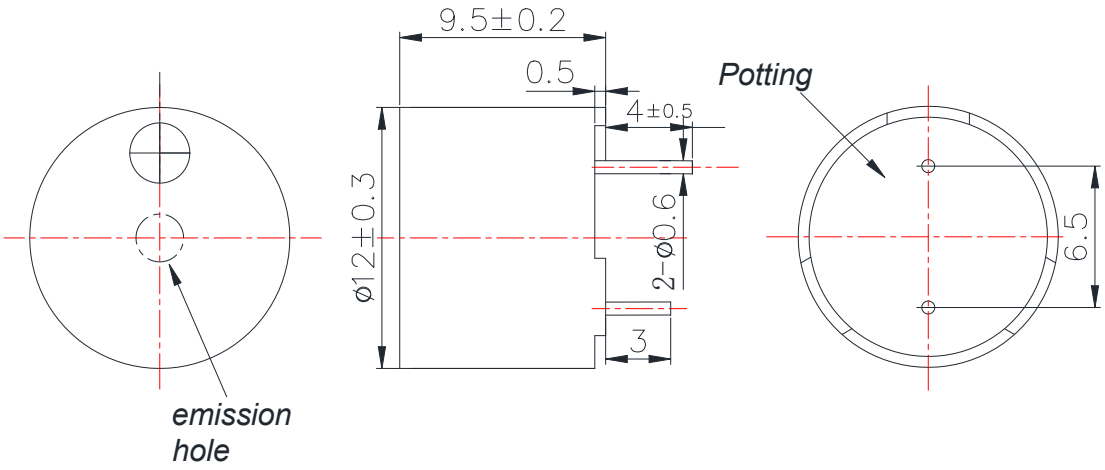
1. SPECIFICATION

Electro-Magnetic Buzzer

1	Dimension	Φ12.0×H9.5.0
2	Net Weight	Approx 2.0g
3	Rated Voltage	5Vo-p
4	Operating Voltage	4～6 Vo-p
5	Rated Current	Max.50mA ,at 2.7KHz 50% duty Square Wave 5Vo-p
6	Sound Output	Min. 85dB,at 2.7KHz 50% duty Square Wave 5Vo-p
7	Coil Resistance	42±5Ω
8	Resonant Frequency	2700Hz
9	Operating Temperature	-20℃～+70℃
10	Store Temperature	-30℃～+80℃
11	Pin	L1=4.0±0.5, L2=3.0±0.5 Φ=0.6±0.1mm

Dimensions Unit: mm



*Unit: mm; Tolerance: ±0.5mm Except Specified
*Housing Material: Black PBT

2 Reliability Test

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

2.1 Ordinary Temperature Life Test

The part shall be subjected to 96 hours at 25±10℃. Input rated voltage Resonant frequency, 1/2 duty Square wave.

2.2 High Temperature Test

The part shall be capable of with standing a storage temperature of +85℃ for 96 hours.

2.3 Low Temperature Test

The part shall be capable of with standing a storage temperature of -40℃ for 96 hours.

2.4 Humidity Test

Temperature:+40℃±3℃ Relative Humidity:90%～95% Duration: 48 hours and expose to room temperature for 6 hours

2.5 Temperature Shock Test

Temperature:70℃ /1hour→ 25℃/3hours→-30℃/1hour→ 25℃/3hours (1cycle)
Total cycle: 10 cycles

2.6 Drop Test

Standard Packaging From 1.2m(Drop on hard wood or board of 5cm thick, three sides, six plain.)

2.7 Vibration Test

Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

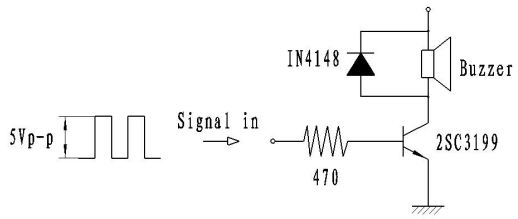
Note:

As this product is not protected from foreign material entering, 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. The functional degradation (e.g. SPL down) may occur if foreign material enter it.

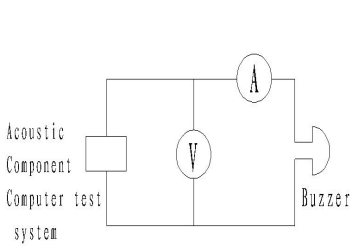
3 Electrical And Acoustical Measuring Condition

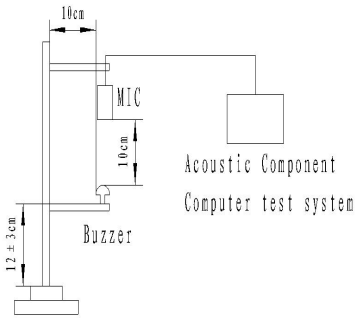
3.1 Recommended Driving Circuit

Resonant frequency, 1/2 duty cycle. Square wave.Signal amplitude should be large enough to saturate the transistor.

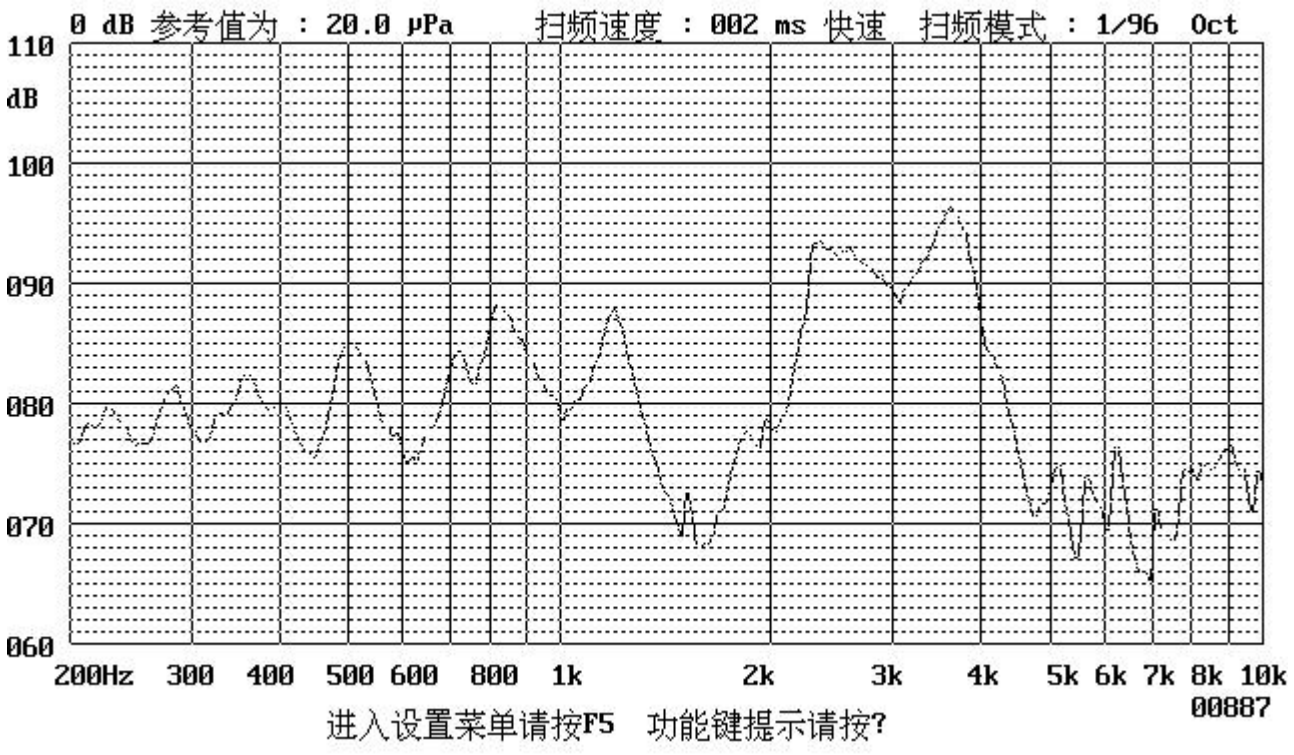


3.2 Recommended Setting



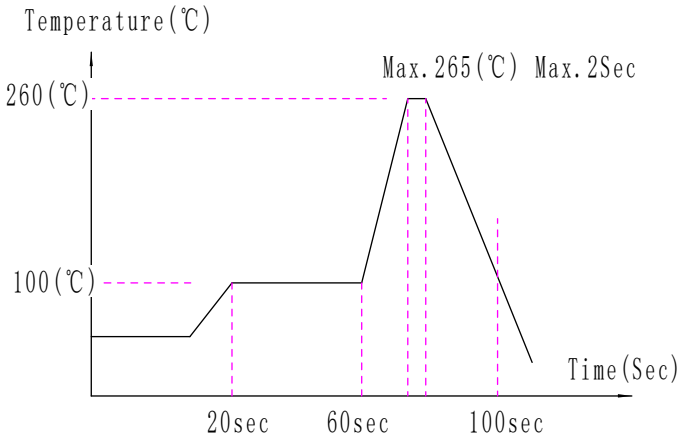


4. Frequency Response



5Vo-p 50% duty Square wave,10cm

5. Recommended the wave soldering temperature



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6 . Packing

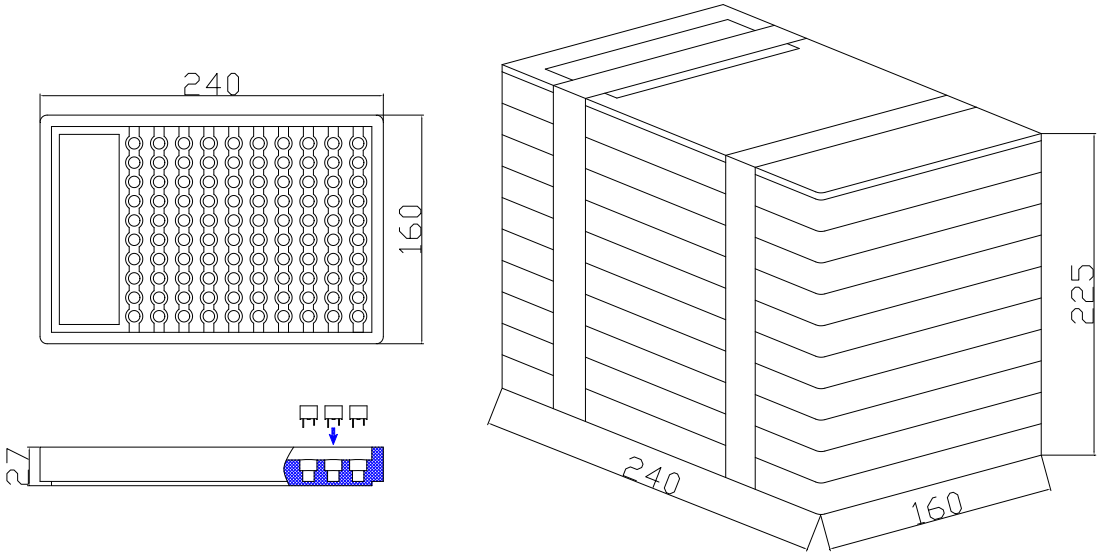

Fig.1

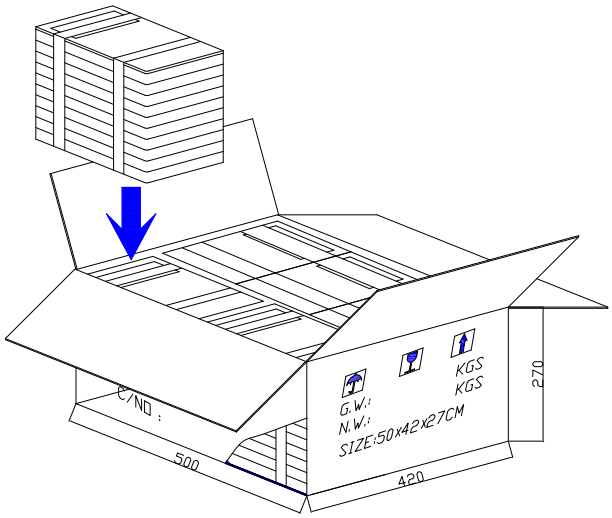

Fig.2

	包装名称	包装数量(pcs)	包装尺寸(mm)	图解
1	泡沫盒	100	240×160×24	Fig. 1
2	一叠	1000	240×160×225	Fig. 1
3	箱子	5000	500×420×270	Fig. 2