



APPROVAL SHEET  
FOR  
MAGNETIC BUZZER

深圳市銳創達電子有限公司

TAT ELECTRONICS CO. LTD.

CUSTOMER:

PART NUMBER: **BP3017W140-34**

CUSTOMER PART NO.:

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

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<b>Specification for Electro-Magnetic Buzzer With built-in oscillating circuit (Pin Type)</b>		Update/09B50	Page 2 of 4
		Des.	Chk.
<b>Model No.:</b>	<b>BP3017W140-34</b>	Li YanFei	Jiang Yin
		5/28/2021	5/28/2021

## 1. Technical Parameter

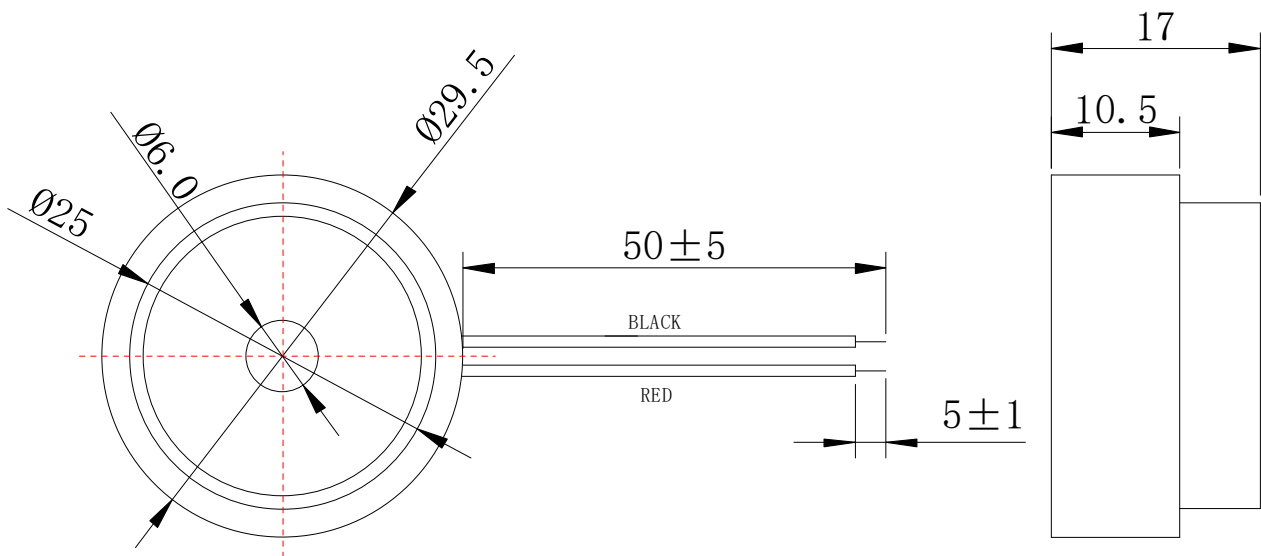
### Measuring condition

Part shall be measured under a condition (Temperature: 5 ~ 35°C, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

1	Resonant Frequency	3400 ± 300Hz
2	Operating Voltage	1 ~ 30 Vp-p
3	Rated Current	Max.5mA , At 3.4KHz 50% duty Square Wave 9Vp-p
4	Sound Output at 10cm	Min. 90dB, At 3.4KHz 50% duty Square Wave 9Vp-p
5	Capacitance	25000 ± 30% pF At 1KHz
6	Operating Temperature	-20°C ~ +60°C
7	Store Temperature	-30°C ~ +70°C
8	Net Weight	Approx 5g
9	RoHS	Yes

## 2. Dimensions

Unit: mm



\*Unit: mm; Tolerance: ± 0.5mm Except Specified

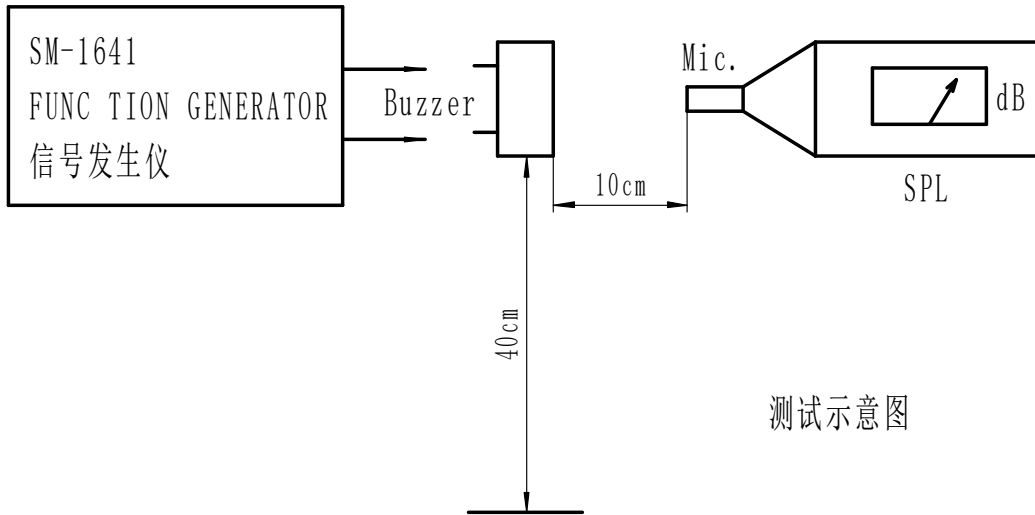
\*Housing Material: White PBT Lead Wire: UL1007 28#



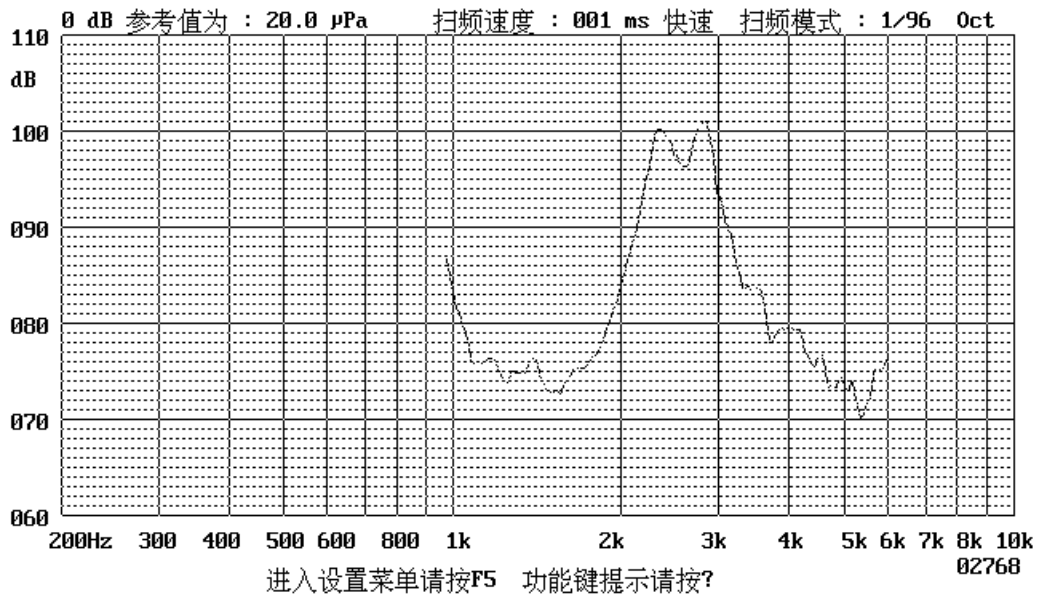
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### 3. Electrical And Acoustical Measuring Condition

#### Recommended Setting



### 4. Frequency Response



9Vp-p 50% duty Square wave, 10cm



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## 5. 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 -5 dB from the initial value

### 5.1 Ordinary Temperature Life Test

The part shall be subjected to 96 hours at  $25 \pm 10^\circ\text{C}$ . Input rated voltage Resonant frequency, 1/2 duty Square wave.

### 5.2 High Temperature Test

The part shall be capable of with standing a storage temperature of  $+60^\circ\text{C}$  for 96 hours.

### 5.3 Low Temperature Test

The part shall be capable of with standing a storage temperature of  $-20^\circ\text{C}$  for 96 hours.

### 5.4 Humidity Test

Temperature:  $+40^\circ\text{C} \pm 3^\circ\text{C}$  Relative Humidity: 90%~95% Duration: 48 hours and expose to room temperature for 6 hours

### 5.5 Temperature Shock Test

Temperature:  $60^\circ\text{C}$  /1hour  $\rightarrow$   $25^\circ\text{C}$ /3hours  $\rightarrow$   $-20^\circ\text{C}$ /1hour  $\rightarrow$   $25^\circ\text{C}$ /3hours (1cycle)  
Total cycle: 10 cycles

### 5.6 Drop Test

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

### 5.7 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.

## 6. Recommended the wave soldering temperature

