

承 认 书

SPECIFICATION FOR APPROVAL

客户 (CUSTOMER): _____

产品名称 (PRODUCT NAME): 贴片式蜂鸣器 (外部驱动)

型号 (TYPE): YS-SBZ9032C05R30

客户料号 (CUSTOMER NO) _____

日期 (DATE): 2022-09-01

客户确认: (签章)
日期:

东 莞 市 锋 鸣 电 子 有 限 公 司

电话: 0769-88036425

传真: 0769-85474556

制单: 李琳

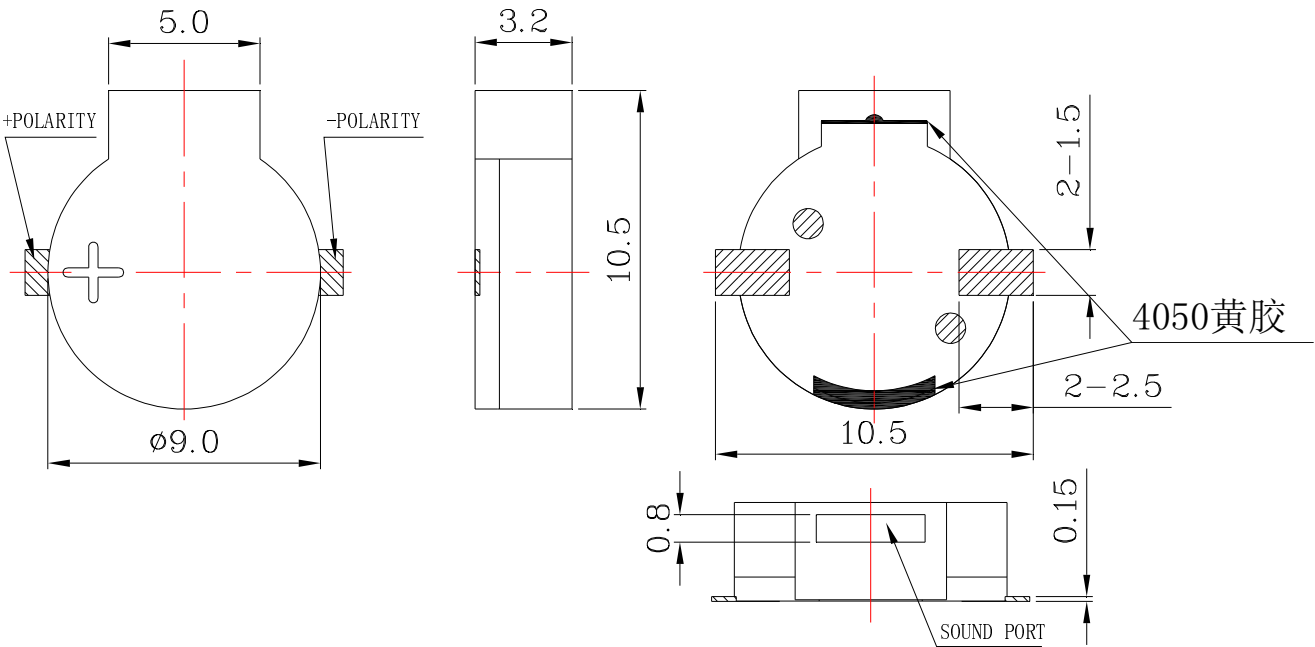
业务: 宋浩亮

工程: 黄鑫

FENGMINGTECHOFDONGGUAN CO.,LTD

YS-SBZ9032C05R30

DIMENSIONS(UNIT:mm)

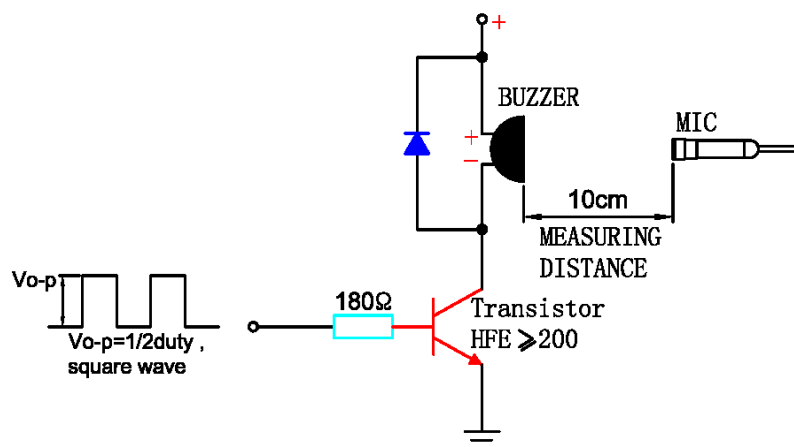


SPECIFICATION:

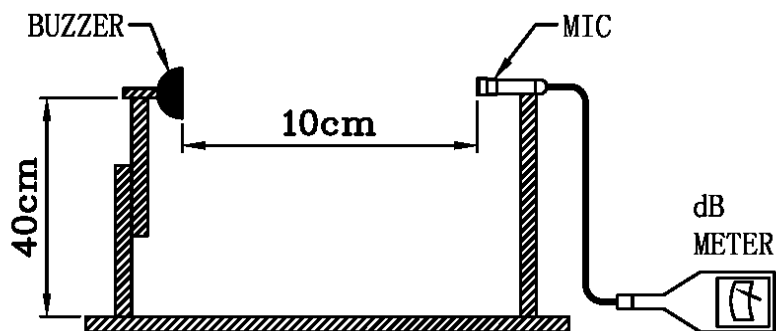
Model NO	YS-SBZ9032C05R30
Rated Voltage	5V
Operating Voltage	3~7V
Rated Current	Max. 80mA
Coil Resistance	$30 \pm 4 \Omega$
sound Pressure level(dB/2700Hz/at 10cm)	Min.85dB
Resonant Frequency	2700Hz
Operating Temperature	-20℃~+70℃
Storage Temperature	-30℃~+80℃

Acoustic Characteristics:

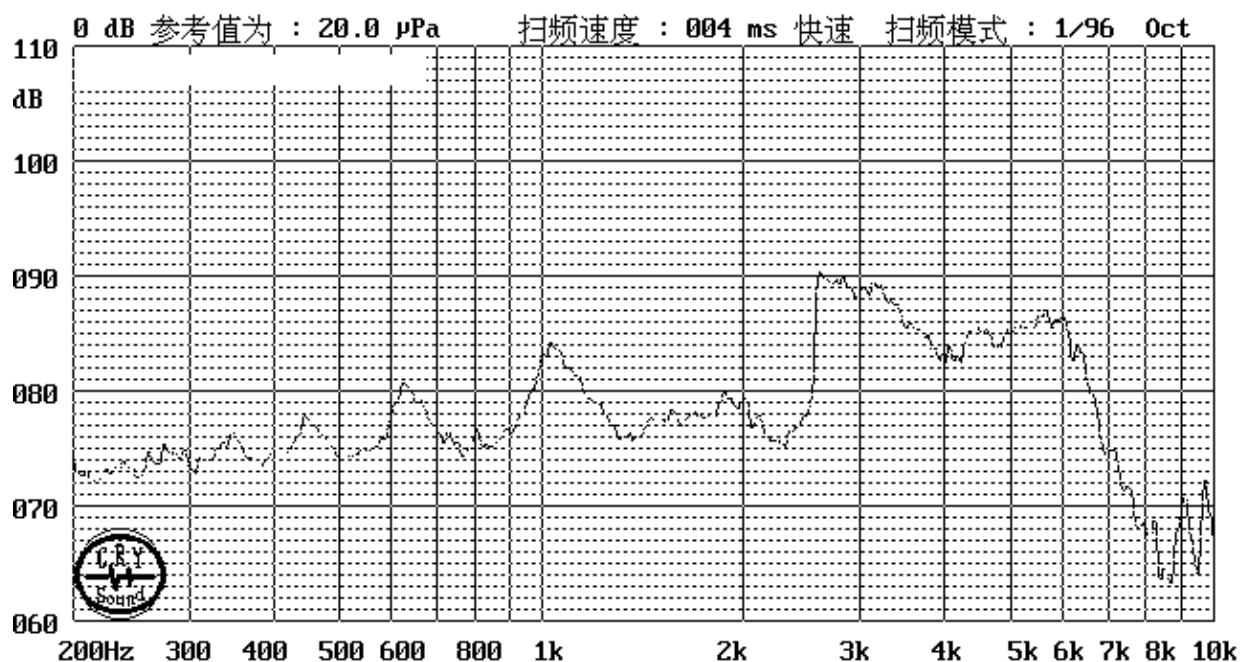
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



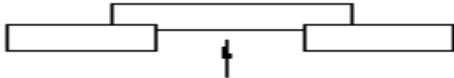
In the measuring test, buzzer is placed as follows:



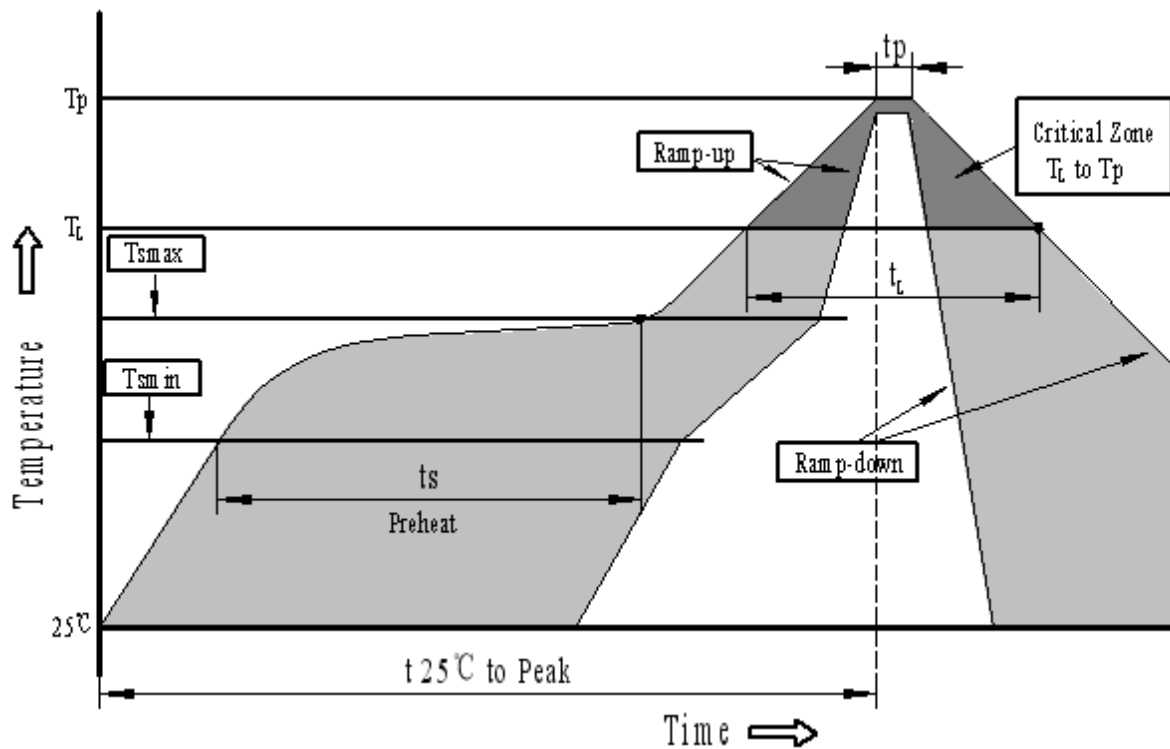
Typical Frequency Response Curve



RELIABILITY TEST:

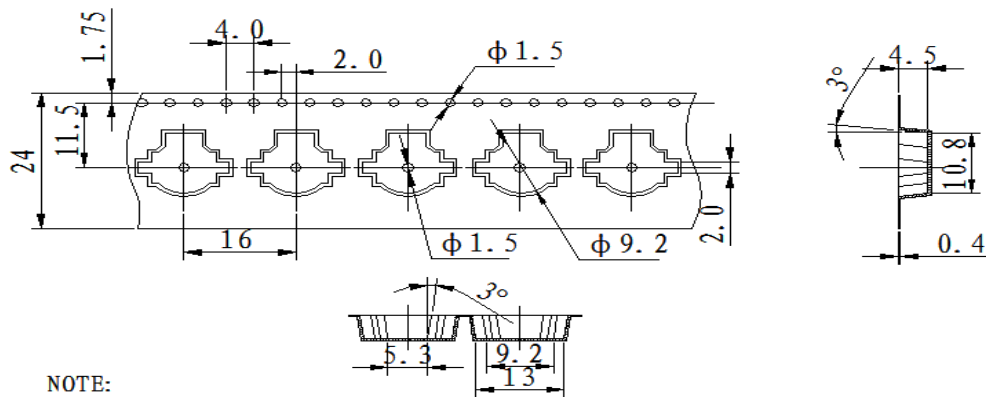
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	<i>High temp. storage life</i>	The part shall be capable of withstanding a storage temperature is +120°C for 120 hours	<i>After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value±10dB or more.</i>
2	<i>Low temp. storage life</i>	The part shall be capable of withstanding a storage temperature is -40°C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -40±2°C, 30 minutes 20±5°C 15 minutes 120±2°C, 30 minutes 20±5°C 15 minutes	
4	Humidity Test	30±2°C, 90~95% RH, 120 hours	
5	Vibration Test	The part shall be subjected to a vibration cycle is 10Hz in a period of 1 minute. Total peak amplitude shall be .52mm(9.3g). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	
6	Shock	Sounder shall be measured after being applied shock (980m/s²) for each three mutually perpendicular directions to each of 3 times by half sine wave.	
7	Drop Test	Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions-upper and side of the part are to be applied.	
8	Lead pull	The part shall be pushed with a force of 9.8N for 10±1 seconds behind the part. 	After the test part shall meet specifications without any degradation in appearance and performance.
9	Recommended temp. Profile for Reflow Oven	Shown in Fig.1	
Warranty: For a period of one year from date of manufacture under normal operations.			

Recommended Temp. Profile for Reflow Oven (Fig.1)



Profile Feature	Pb-Free Assembly
Average ramp-up rate(T_L to T_p)	3°C/second max.
Preheat	
-Temperature Min.(T_{smin})	150°C
-Temperature Min.(T_{smax})	200°C
-Temperature Min.(ts)	60~180 seconds
T_{smax} to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T_L)	217°C
-Time(T_L)	60~150 seconds
Peak temperature(T_p)	250°C+0/-5°C
Time within 5°C of actual Peak temperature (tp)	6 seconds max.
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

PACKING:



NOTE:

1. 10 sprocket hole pitch cumulative tolerance $\pm 0.2\text{mm}$.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: $0.4 \pm 0.05\text{mm}$.
4. Component loaded per 13" reel: 1000 pcs.

