

規格承認書

PECIFICATION FOR APPROVAL

客 戶
CUSTOMER : _____

項 目
ITEM : 贴片式电磁无源蜂鸣器（外部驱动）

型 號
TYPE : GSC7528YA-16R2700

描述
DESCRIPTION : L7.5 xW7.5x H2.8 mm 2700Hz 16 Ω ≥82dB 顶发音 LCP 材质

客戶料號
CUSTOMER NO. : C7507396

規 格 書 號
SPECIFICATION NO.: _____

版 本
EDITION NO. : V1.0

日 期
DATE : _____

客戶承認

CUSTOMER CONFIRM AND SIGN

檢查 TESTED BY	審核 CHECKED BY	承認 APPROVED BY

東莞市贏海電子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

製作 ISSUED BY	審查 CHECKED BY	確認 APPROVED BY
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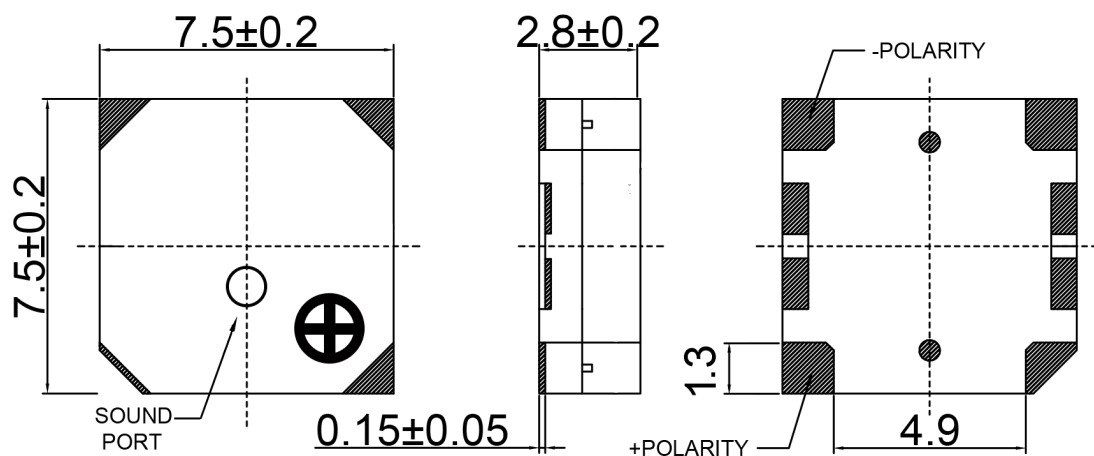
A. SCOPE

This specification applies magnetic buzzer, GSC7528YA-16R2700

B. SPECIFICATION

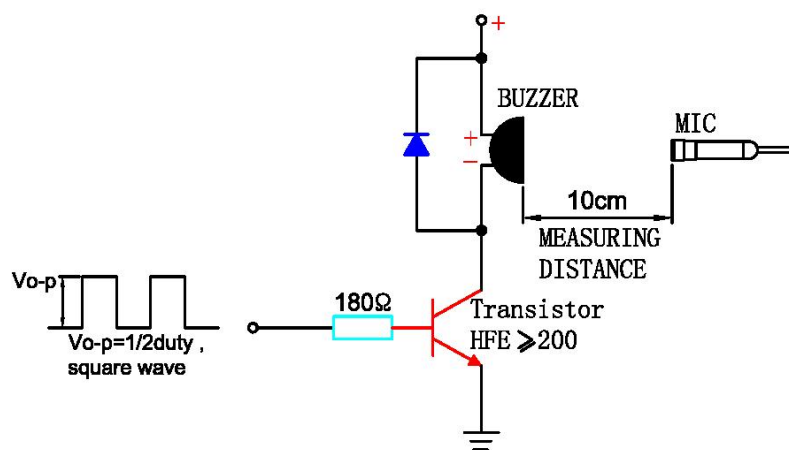
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2700	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	2.0~ 4.0 Vo-p	
3	Rated Voltage	Vo-p	3.6 Vo-p	
4	Current Consumption	mA	Max.100mA	At 2700Hz 50% duty Square Wave 3.0Vo-p
5	Sound Pressure Level	dB	Min. 82dB+/-3	At 2700Hz 50% duty Square Wave 3.0Vo-p
6	Coil Resistance	Ω	16 \pm 3	
7	Operating Temperature	$^{\circ}\text{C}$	-30 ~ +80	
8	Storage Temperature	$^{\circ}\text{C}$	-40 ~ +85	
9	Dimension	mm	L7.5 xW7.5x H2.8	See appearance drawing
10	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING Tol : ± 0.3 Unit: mm

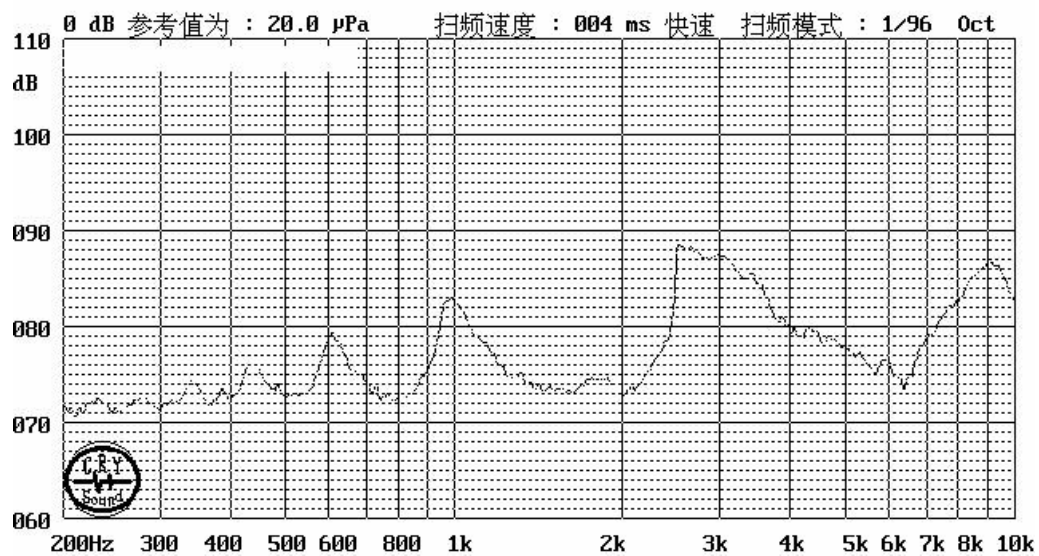


Tol: ± 0.3 Unit: mm

D: TEST METHOD:

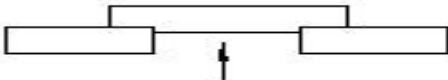


E: FREQUENCY RESPONSE:

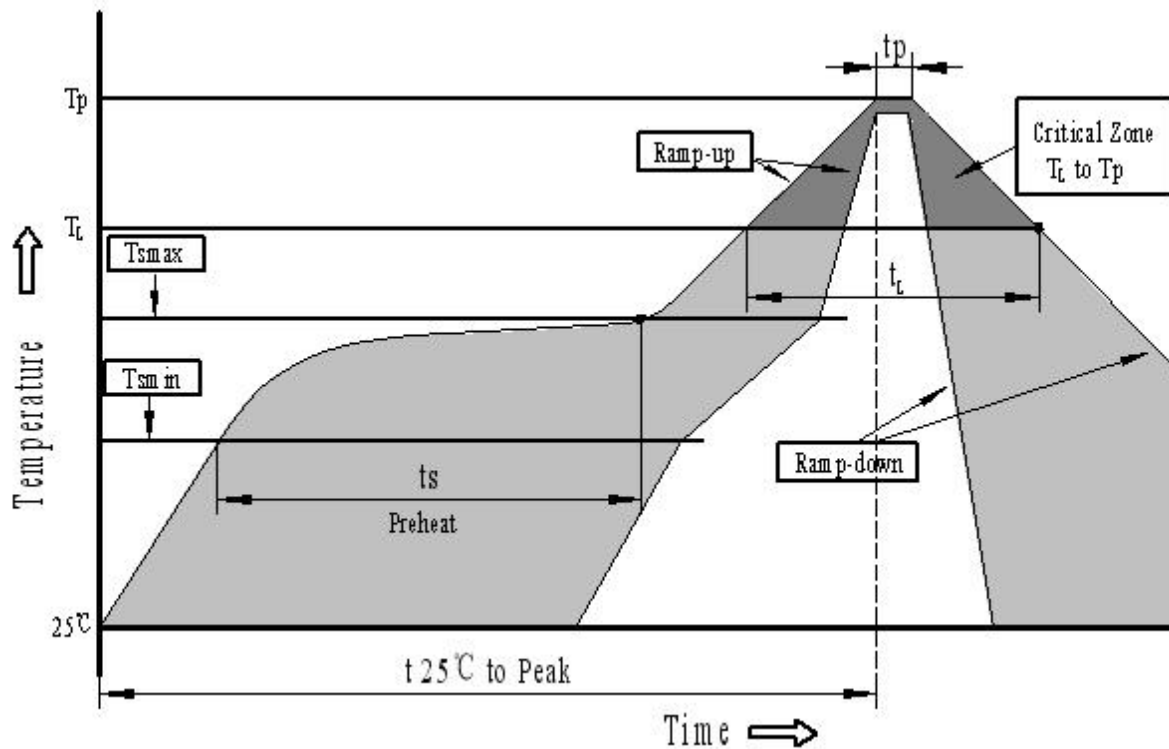


3.0Vo-p 50% duty Square wave, 10cm

F: RELIABLY TEST:

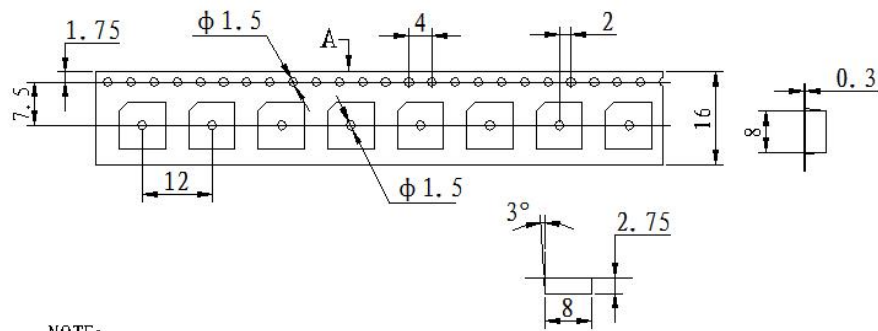
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	<i>High temp. storage life</i>	The part shall be capable of withstanding a storage temperature is +80°C for 120 hours	<i>After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value±10dB or more.</i>
2	<i>Low temp. storage life</i>	The part shall be capable of withstanding a storage temperature is -30°C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -30±2°C, 30 minutes 20±5°C 15 minutes 80±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	

G: 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.

H: PACKING:



NOTE:

1. 10 sprocket hole pitch cumulative tolerance $\pm 0.20\text{mm}$.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: $0.3 \pm 0.05\text{mm}$.
4. Component loaded per 13" reel: 1000pcs.

