

規格承認書

PECIFICATION FOR APPROVAL

客戶
CUSTOMER : _____
項目
ITEM : 贴片式电磁有源蜂鸣器 (内部驱动)
型號
TYPE : GSD12810YB-3V2400
描述
DESCRIPTION : ϕ 12.8*12.8 x H9.5 mm 2400Hz DC3V \geq 85DB 正发音 LCP 材质
客戶料號
CUSTOMER NO. : _____
規格書號
SPECIFICATION NO.: _____
版本
EDITION NO. : V1.0
日期
DATE : 2017-2-17

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
周明	刘承成	

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網址: HTTP://WWW.INGHAI.COM

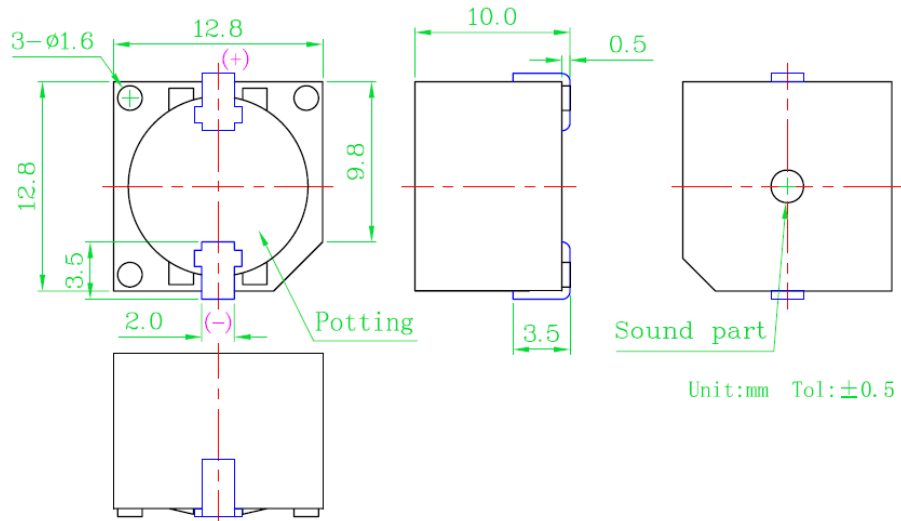
A. SCOPE

This specification applies magnetic buzzer, GSC12810YB-3V2400

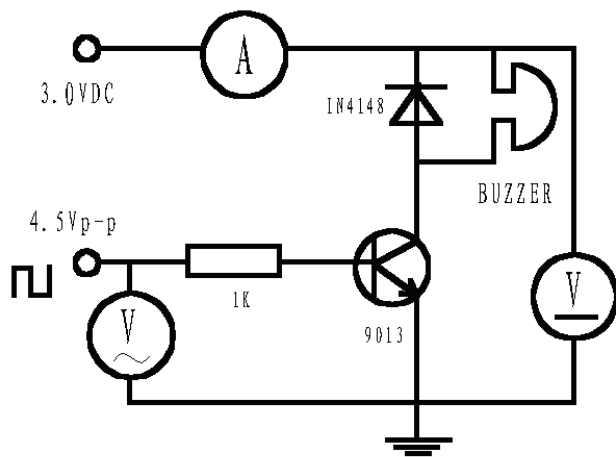
B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.4 ± 0.3	
2	Operating Voltage	VDC	2~ 5	
3	Rated Voltage	VDC	3	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Tone/Pulse Rate		Constant	
7	Operating Temperature	°C	-20 ~ +70	
8	Storage Temperature	°C	-30 ~ +80	
9	Dimension	mm	12.8 x 12.8 x H10.0	See appearance drawing
10	Weight (MAX)	gram	2.0	
11	Housing Material		LCP	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

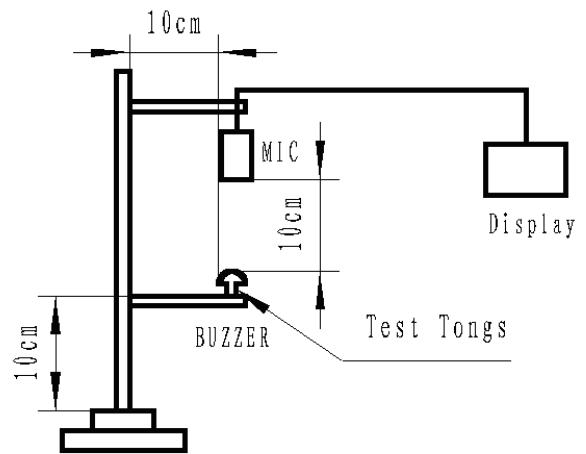
C. APPEARANCE DRAWING Tol : ± 0.3 Unit: mm



D:TEST METHOD:

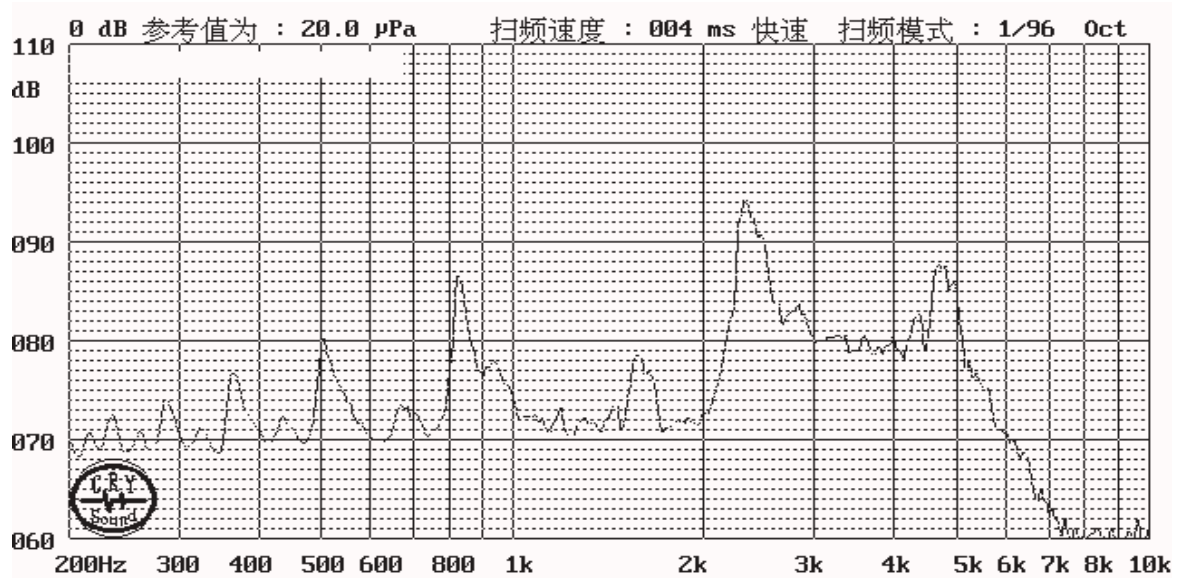


Test Circuit

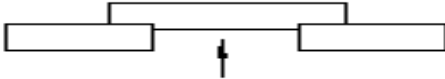


Test Equipis

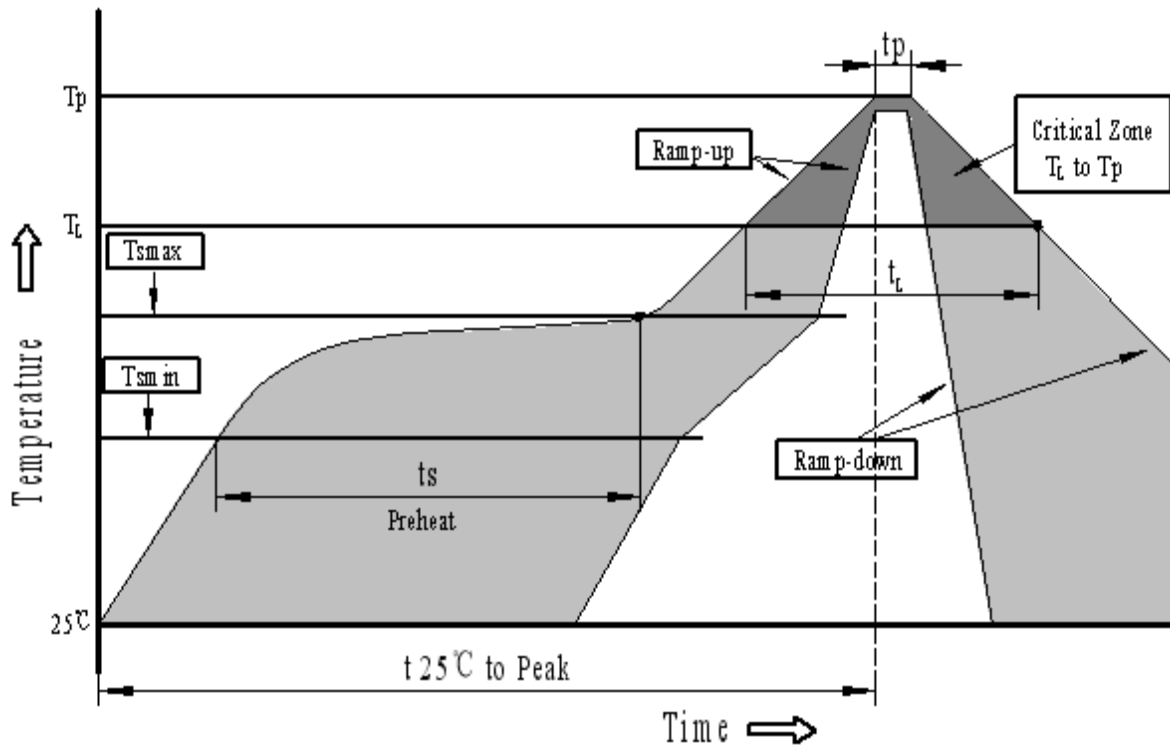
E:FREQUENCY RESPONSE:



F: RELIABLE TEST:

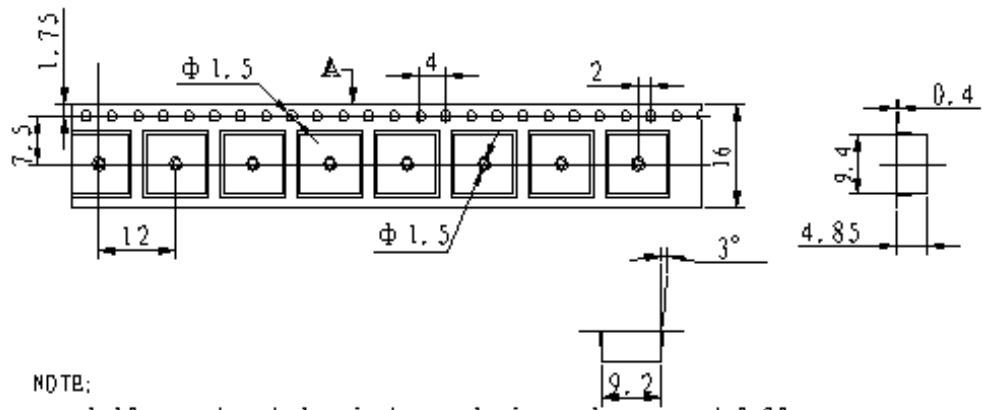
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	<i>High temp. storage life</i>	The part shall be capable of withstanding a storage temperature is +80°C for 120 hours	<p><i>After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value ± 10dB or more.</i></p>
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/s ³) 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 specification 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)



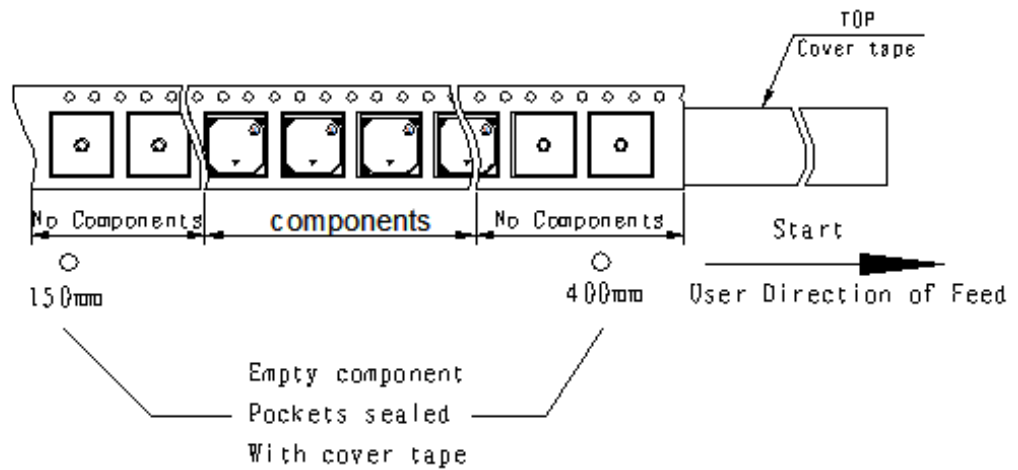
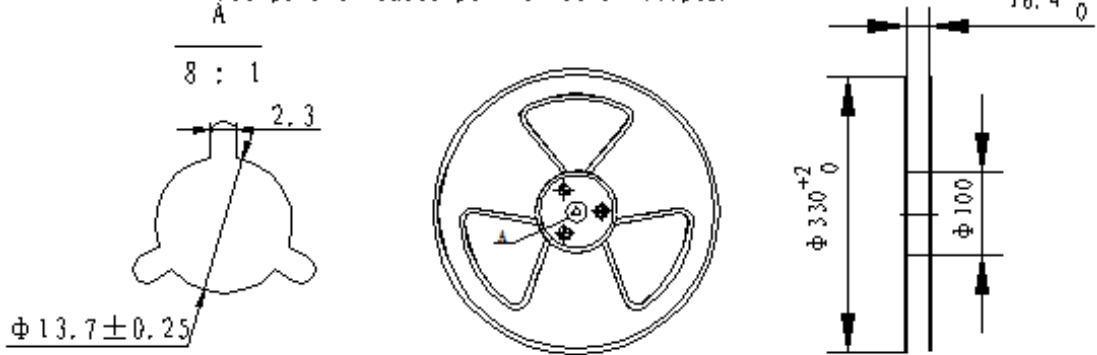
Profile Feature	Pb-Free Assembly
Average ramp-up rate(T_L to T_p)	3°C/second max.
Preheat	
-Temperature Min.(T_{smin})	150°C
-Temperature Min.(T_{smax})	200°C
-Temperature Min.(ts)	60~180 seconds
T_{smax} to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T_L)	217°C
-Time(T_L)	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:

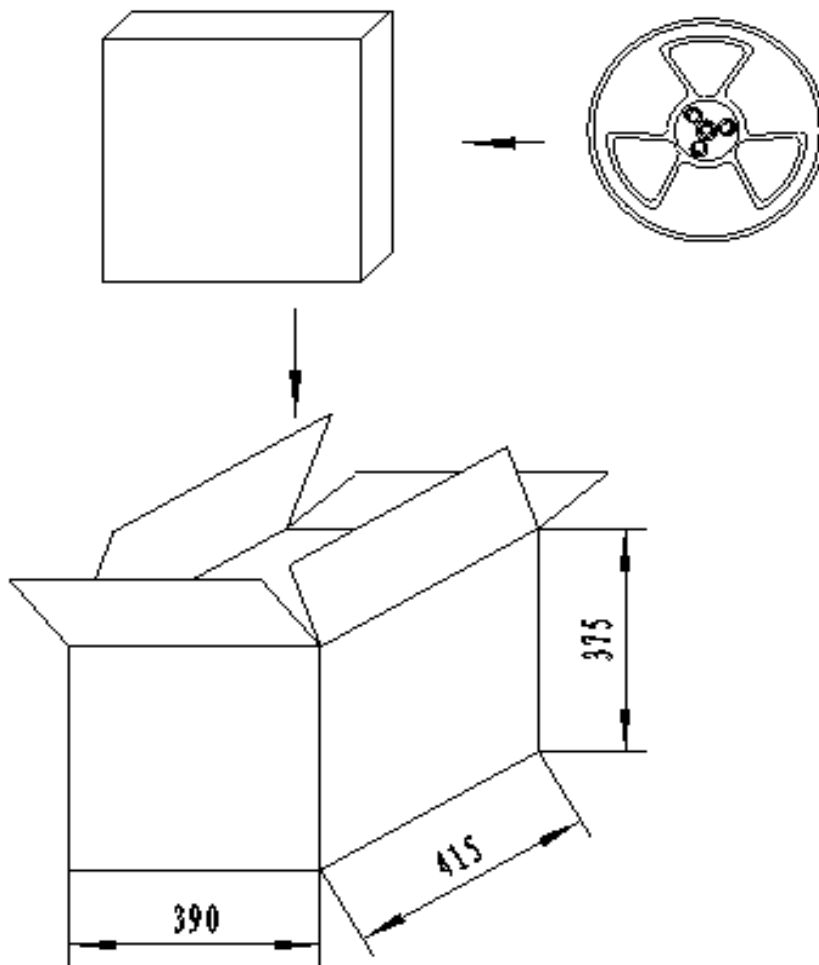


NOTE:

- 1.10 sprocket hole pitch cumulative tolerance $\pm 0.20\text{mm}$.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: $0.4 \pm 0.05\text{mm}$.
4. Component loaded per 13" reel: 1000 pcs.



PACKING:



NOTES:

- 1.800 PCS per box
- 2.Total 10 boxes per carton
- 3.Total 8000 PCS carton