規 格 承 認 書

PECIFICATION FOR APPROVAL

客　戶
CUSTOMER　：　立创

項　目
ITEM　：　贴片式电磁无源蜂鸣器（外部驱动）

型　號
TYPE　：　GSC7525RA-16R2700

描述
DESCRIPTION ：　7.5 x 2.5 MM　2700Hz　16Ω　3.3V　80DB　侧发音 LCP 材质

客戶料號
CUSTOMER NO. ：

規 格 書 號
SPECIFICATION NO.：

版　本
EDITION NO.　：　V1.1

日　期
DATE　：　2019-12-26

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		李建超

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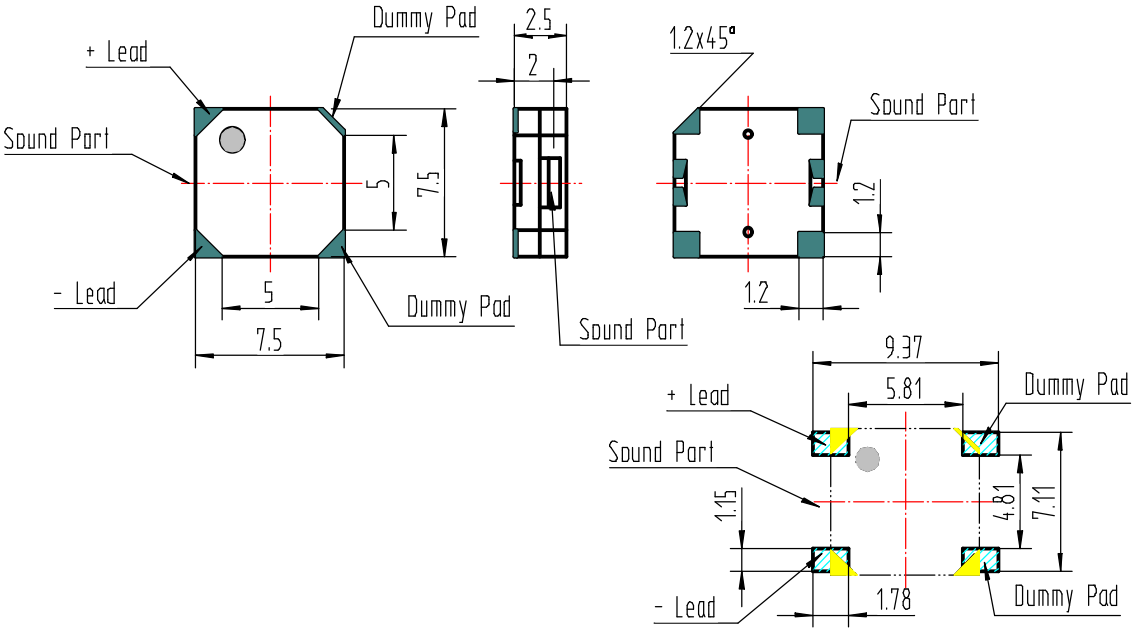
A. SCOPE

This specification applies magnetic buzzer, GSC7525RA-16R2700

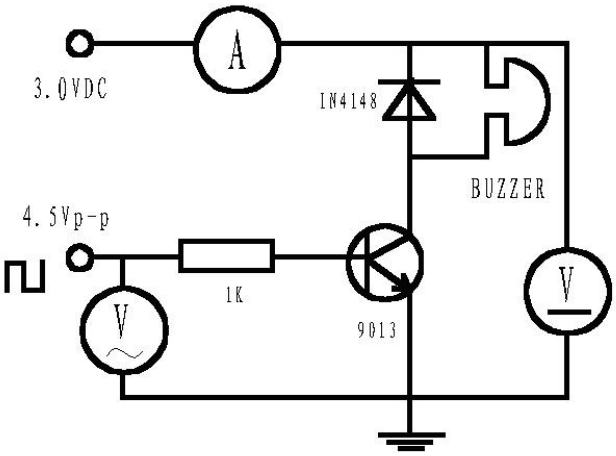
B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2700	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	2.5~ 4.5 Vo-p	
3	**Rated Voltage**	Vo-p	3.6 Vo-p	
4	Current Consumption	mA	Max.100mA	At 2731Hz 50% duty Square Wave 3.6Vo-p
5	Sound Pressure Level	dB	Min. 80dB	At 2731Hz 50% duty Square Wave 3.6Vo-p
6	Coil Resistance	Ω	16±3	
7	Operating Temperature	℃	-20 ~ +80	
8	Storage Temperature	℃	-40 ~ +85	
9	Dimension	mm	7.5 x H2.5	See appearance drawing
10	Environmental Protection Regulation		RoHS	

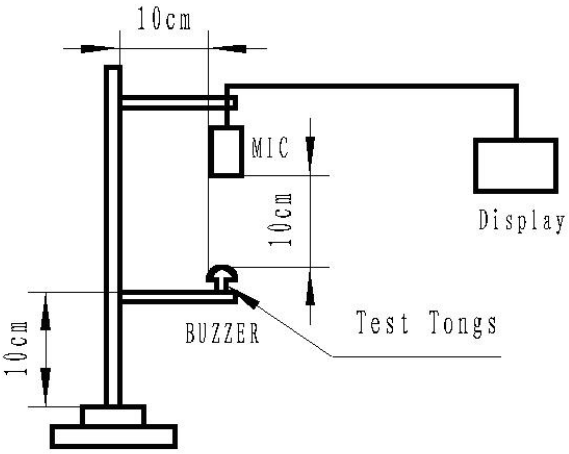
C. APPEARANCE DRAWING Tol : ± 0.3 Unit: mm



D: TEST METHOD:

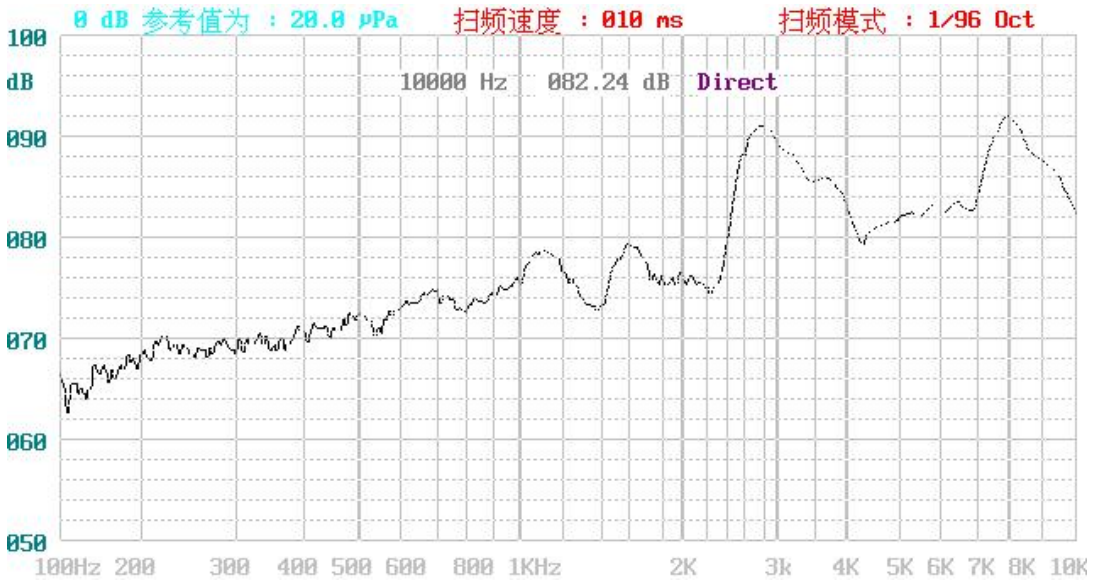


Test Circuit



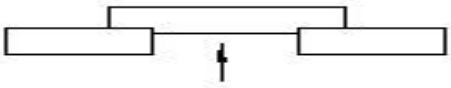
Test Equips

E: FREQUENCY RESPONSE:

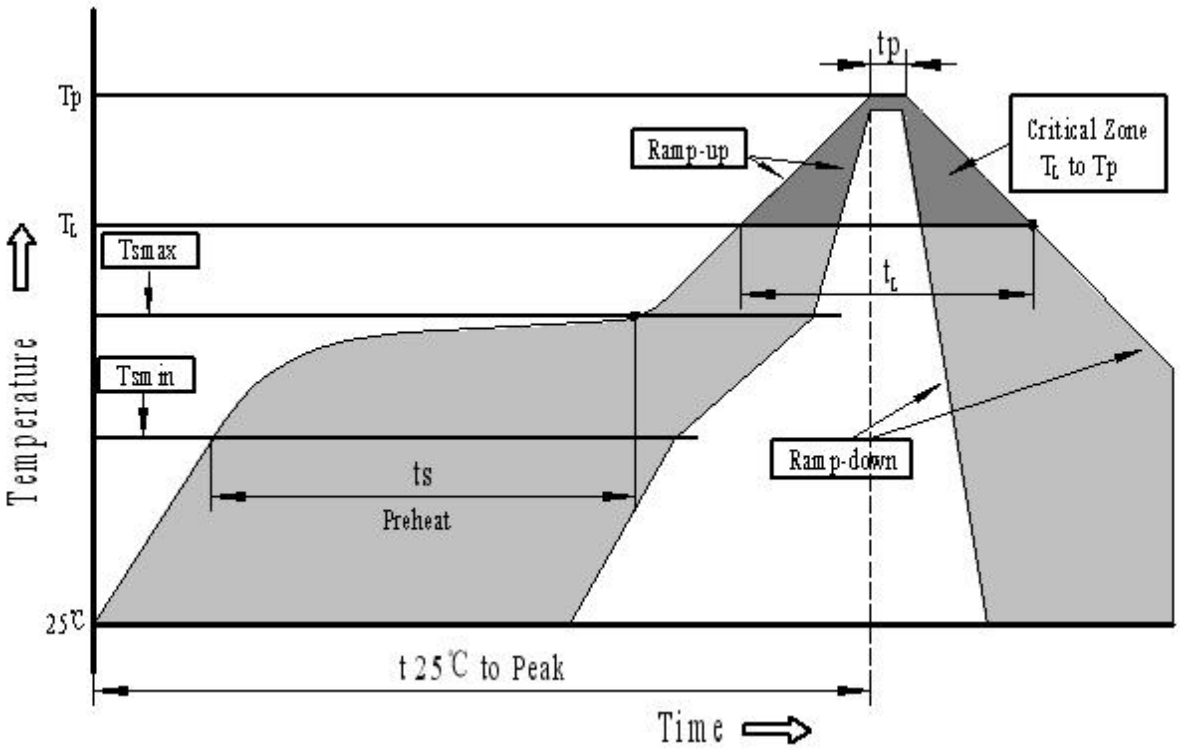


3.6Vo-p 50% duty Square wave,10cm

F: RELIABLY TEST:

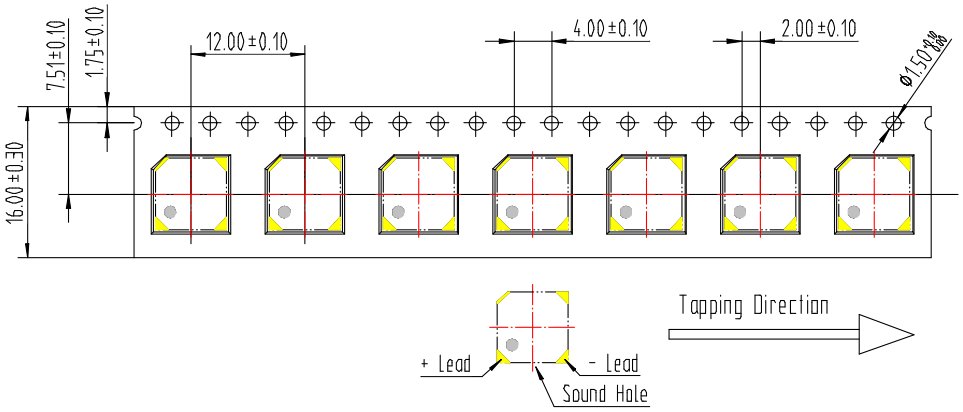
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	*High temp. storage life*	The part shall be capable of withstanding a storage temperature is +80℃ for 120 hours	*After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value± 10dB or more.*
2	*Low temp. storage life*	The part shall be capable of withstanding a storage temperature is -30℃ for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -30±2℃, 30 minutes 20±5℃ 15 minutes 80±2℃, 30 minutes 20±5℃ 15 minutes	
4	Humidity Test	30±2℃, 90～95% RH, 120 hours	
5	Vibration Test	The part shall be subjected to a vibration cycle is 10Hz n 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	

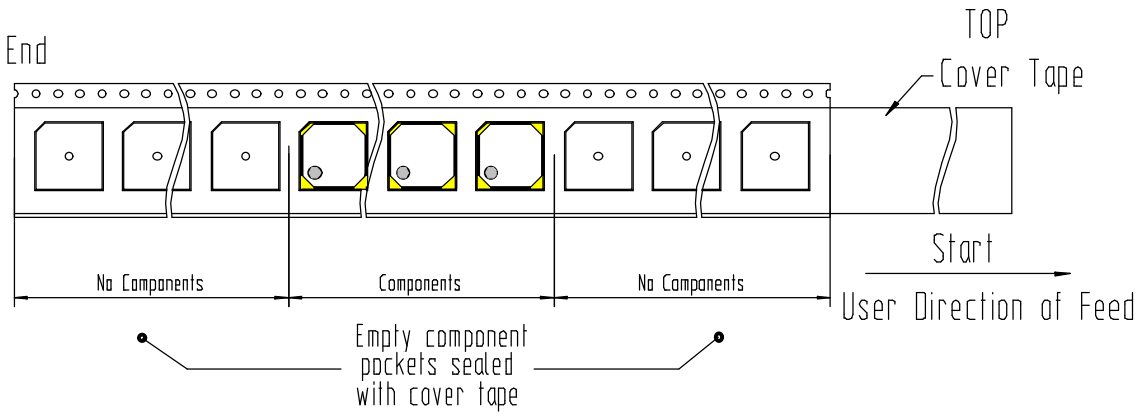
G: Recommended Temp. Profile for Reflow Oven (Fig.1)

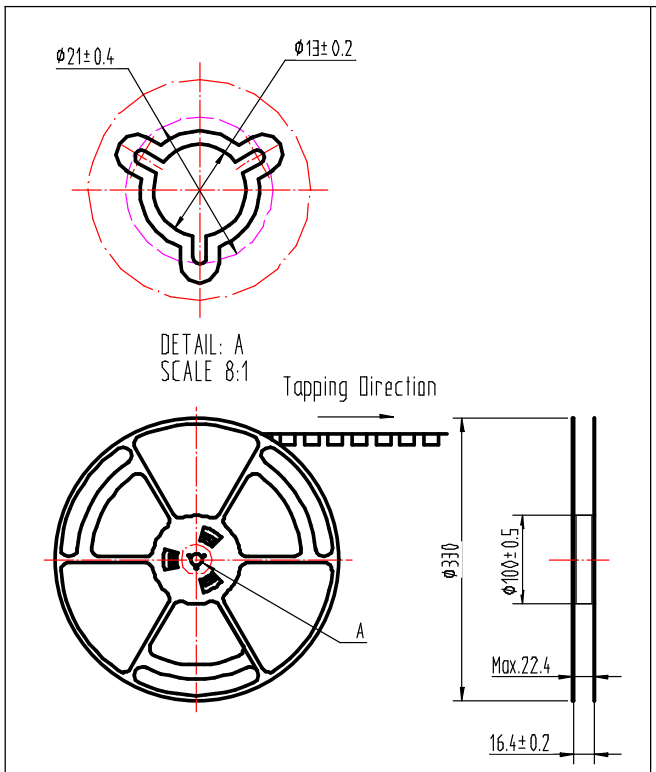


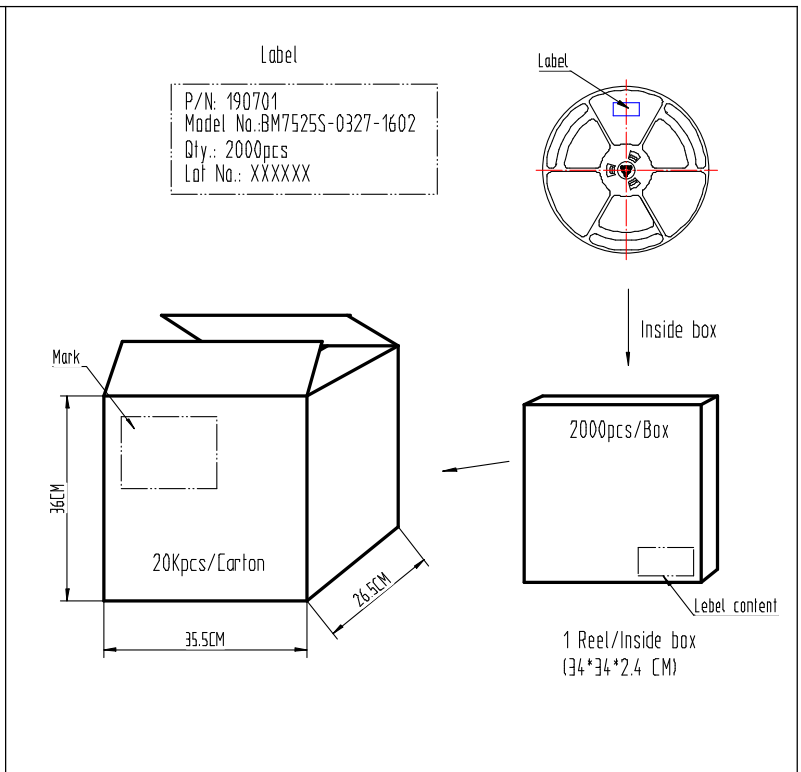
Profile Feature	Pb-Free Assembly
Average ramp-up rate(T_L to Tp)	3℃/second max.
Preheat	
-Temperature Min.(Ts_{min})	150℃
-Temperature Min.(Ts_{max})	200℃
-Temperature Min.(ts)	60～180 seconds
Ts_{max} to T_L	
-Ramp-up Rate	3℃/second max.
Time maintained above:	
- Temperature(T_L)	217℃
-Time(T_L)	60～150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

H: PACKING:


7.51±0.10
1.75±0.10
12.00±0.10
4.00±0.10
2.00±0.10
Ø1.50±0.10
16.00±0.30
+ Lead
- Lead
Sound Hole
Tapping Direction


End
TOP
Cover Tape
Start
No Components
Components
No Components
User Direction of Feed
Empty component pockets sealed with cover tape


Ø21±0.4
Ø13±0.2
DETAIL: A
SCALE 8:1
Tapping Direction
A
Ø330
Ø100±0.5
Max.22.4
16.4±0.2


Label
P/N: 190701
Model No.:BM7525S-0327-1602
Qty.: 2000pcs
Lot No.: XXXXXX
Label
Inside box
Mark
36CM
20Kpcs/Carton
35.5CM
26.5CM
2000pcs/Box
Lebel content
1 Reel/Inside box
(34*34*2.4 CM)