



请承认书

Version No.: V2.0

常州昊翔电子有限公司
Changzhou HaoXiang Electronic Co., LTD

客户名称

CUSTOMER NAMER : _____

产品名称

COMMODITY : SMD MAGNETIC BUZZER

产品型号

MODEL NO : TDA-M85040-0327

客户料号

PART NO : _____

审核	秦皓	主办	曹升薪 Oct.24,2018
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客户承认栏			
承认		拒收	

常州昊翔电子有限公司

常州声翔电子有限公司

常州公司:

江苏省常州市戚区潞城镇富民路 286 号

TEL:86-519-8363089 13585451311

FAX:86-519-88353844

E-mail: sales@tda-buzzer.com sales2@tda-buzzer.com

南通工厂:

江苏如皋市郭元镇工业园辰翔工业区

TEL:86-513-87910588 871919168

FAX:86-513-87915598

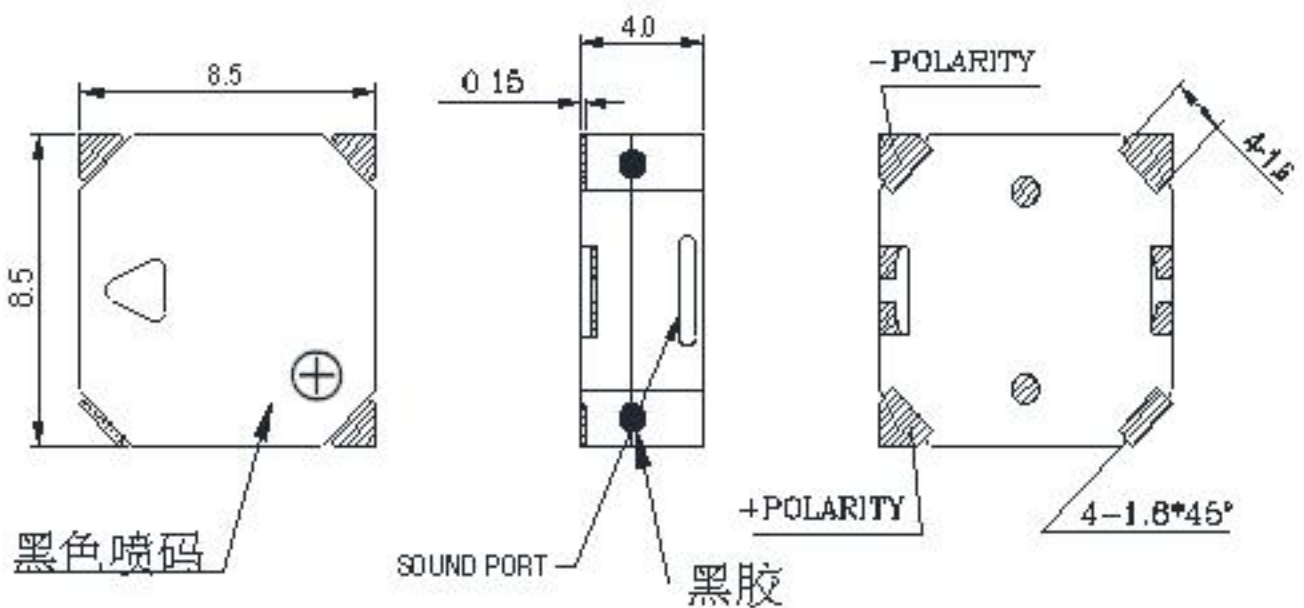
A. SCOPE

This specification applies magnetic buzzer, **TDA-M85040-0327**

B. SPECIFICATION

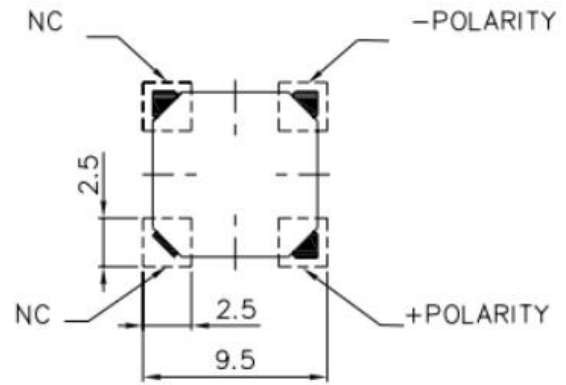
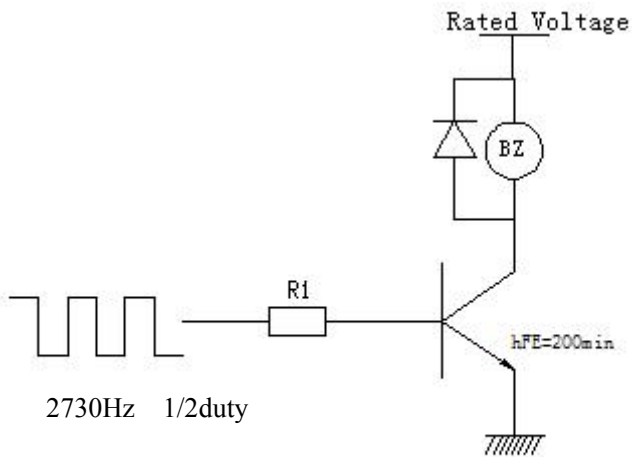
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2730	Square Wave
2	Operating Voltage	Vdc	2.3~4.3	
3	Rated Voltage	Vdc	3.3	
4	Current Consumption	mA	MAX. 100	at 10cm ,3.3Vdc,2730Hz,1/2duty
5	Sound Pressure Level	dB	MIN. 85	at 10cm ,3.3Vdc,2730Hz,1/2duty
6	Coil Resistance	Ω	16 \pm 3	
7	Operating Temperature	$^{\circ}\text{C}$	-30 ~ +75	
8	Storage Temperature	$^{\circ}\text{C}$	-40 ~ +85	
9	Dimension	mm	8.5x8.5x H4.0	See appearance drawing
10	Weight (MAX)	gram	0.6	
11	Housing Material		LCP(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



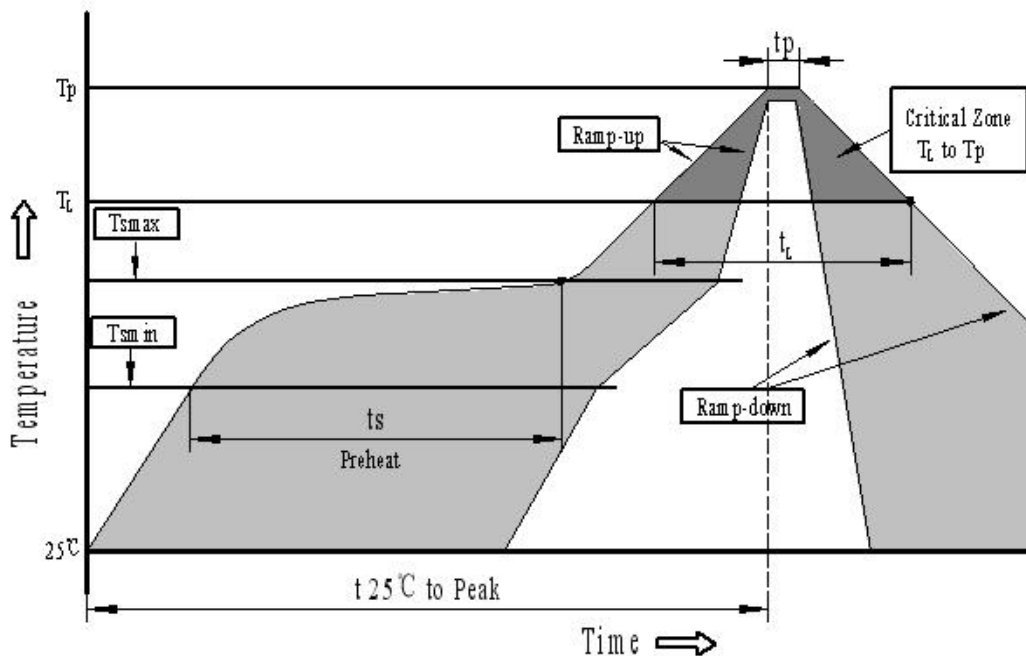
Unit:mm Tolerance : $\pm 0.5\text{mm}$

D. RECOMMEND DRIVING CIRCUIT



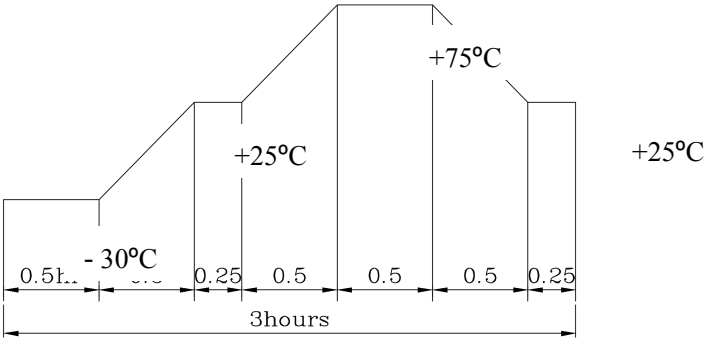
Recommended land pattern

E. RECOMMENDED TEMP. PROFILE FOR REFLOW OVEN



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.(t_s)	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)	245°C+0/-5°C
Time within 5°C of actual Peak temperature (t_p)	6 seconds max.
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

F. RELIABILITY TEST

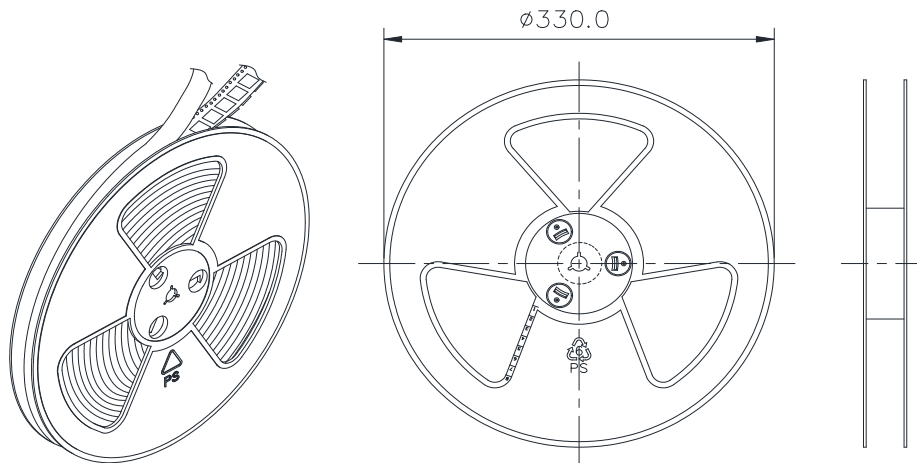
NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 85 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -40 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p>  <p>Allowable variation of SPL after test: 10dB.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,3 times, at the height of 75cm . Allowable variation of SPL after test: 10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mmwith 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: 10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +245 °C for 3 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

TEST CONDITION

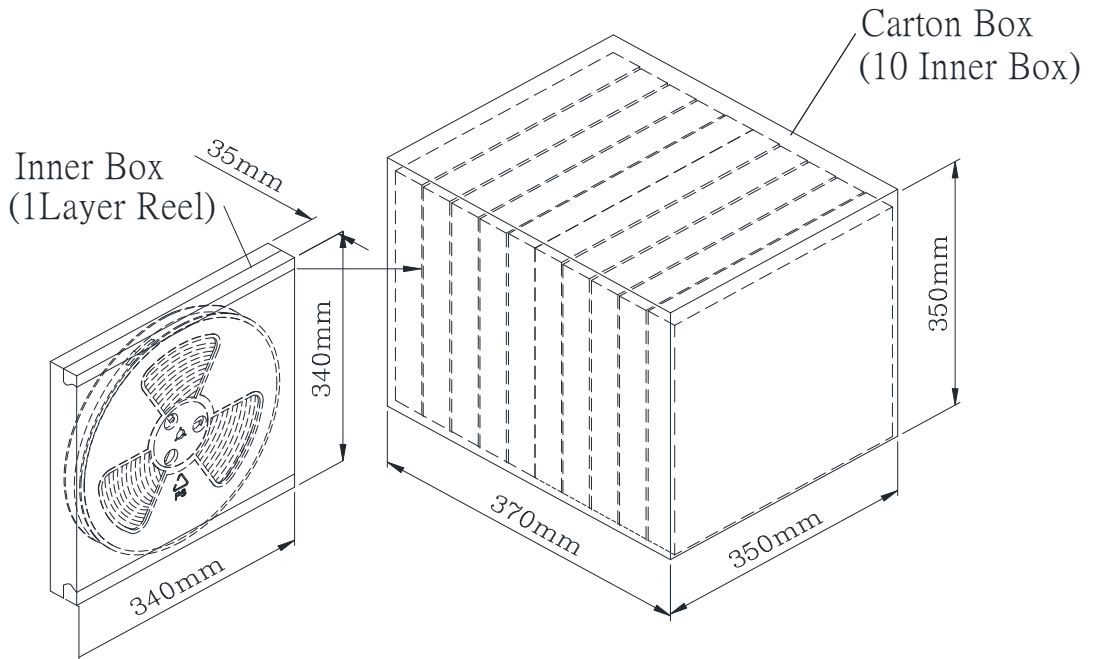
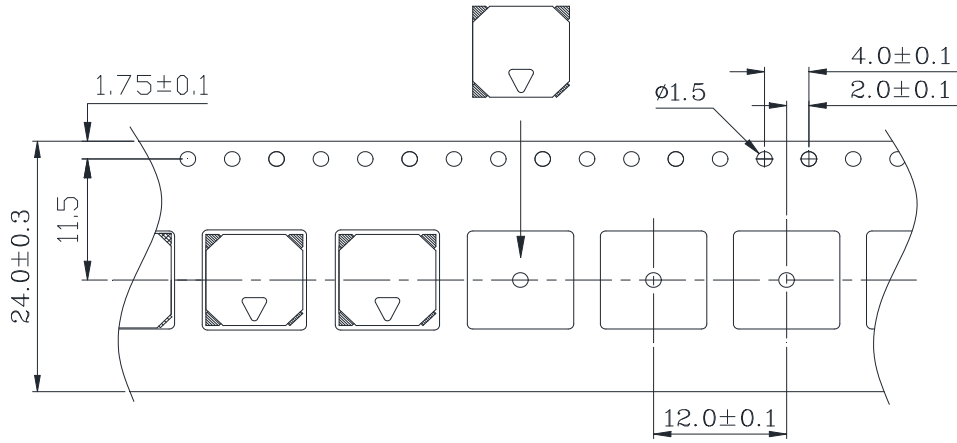
Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar

Judgment Test Condition: a) Temperature : +25±2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

G. PACKING STANDARD



1 Reel : 1000PCS



Inner Box	340mmx340mmx35mm	1x1000PCS=1000PCS
Carton Box	350mmx350mmx370mm	10x1000PCS=10,000PCS

