

# 请承认书

Version No.: <u>V2.0</u>

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	客	产户	名 称								
	Cl	JSTOM	ER NA	MER:							
	7		名 称								
	CC	OMMOD	ITY	:	SMD	MAGN	ETIC E	BUZZE	ER		
			型 号								
	M	ODEL N	10	:		DA-M	75025	5-032	7		
	客	产户制	料 号								
	P#	ART NO		:							
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	常	州	昊	翔	电	子	有	限	公	司	
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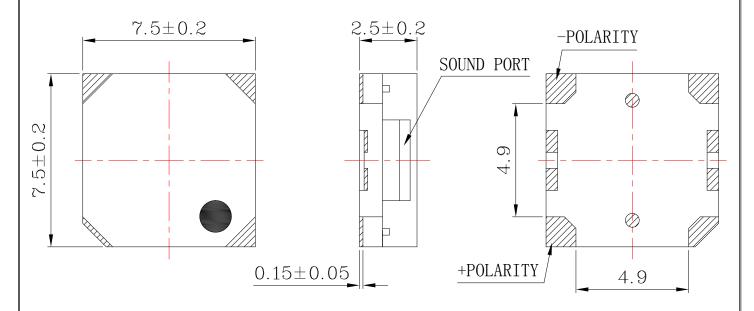
# A. SCOPE

This specification applies magnetic buzzer, TDA-M75025-0327

# **B. SPECIFICATION**

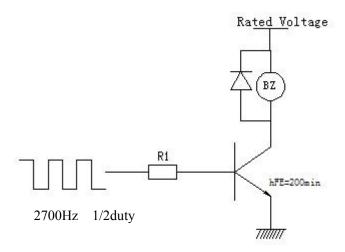
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2700	Square Wave
2	Operating Voltage	Vdc	2.5 ~ 4.5	
3	Rated Voltage	Vdc	3.6	
4	Current Consumption	mA	MAX.100	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Coil Resistance	Ω	15±3	
7	Operating Temperature	$^{\circ}\!\mathbb{C}$	-40 ~ +85	
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-50 ~ +95	
9	Dimension	mm	7.5 x 7.5 x H2.5	See appearance drawing
10	Weight (MAX)	gram	0.8	
11	Housing Material		LCP( Black )	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

## C. APPEARANCE DRAWING

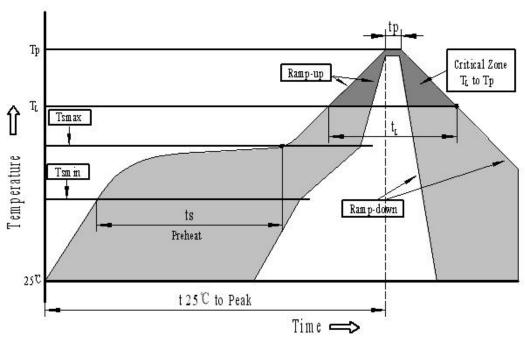


Unit:mm Tolerance : ±0.3mm

# D. RECOMMEND DRIVING CIRCUIT



# **E.RECOMMENDED TEMP. PROFILE FOR REFLOW OVEN**



Profile Feature	Pb-Free Assembly
Average ramp-up rate(T <sub>L</sub> to Tp)	3°C/second max.
Preheat	
-Temperature Min.(Ts <sub>min</sub> )	150℃
-Temperature Min.(Ts <sub>max</sub> )	200℃
-Temperature Min.(ts)	60∼180 seconds
Ts <sub>max</sub> to T <sub>L</sub>	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T∟)	217℃
-Time(T <sub>L</sub> )	$60{\sim}150$ seconds
Peak temperature(Tp)	245℃+0/-5℃
Time within 5°C of actual Peak temperature (tp)	6 seconds max.
Ramp-down Rate	6°C/second max.
Time 25℃ to Peak Temperature	8 minutes max.

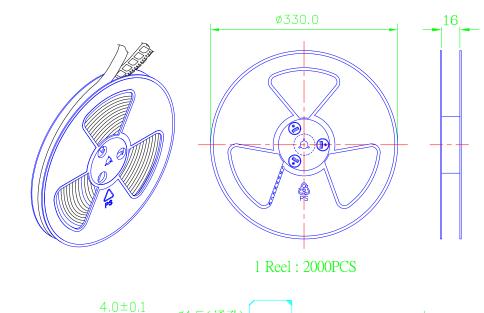
# F. RELIABILITY TEST

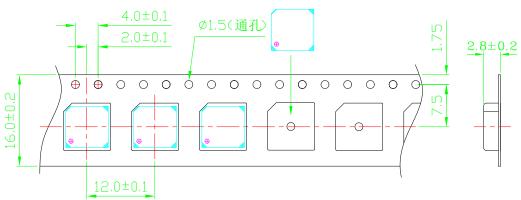
NO.	ITEM	TEST CONDITION AND REQUIREMENT				
1	High Temperature Test (Storage)	After being placed in a chamber with +95±2°C for 96 hours and then being placed in normal condition for 2 hours.  Allowable variation of SPL after test: ±10dB.				
2	Low Temperature Test (Storage)	After being Placed in a chamber with -50±2°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±2°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	The part shall be subjected to 5 cycles. One cycle shall be consist of:  +85°C  +25°C  +25°C  +25°C  Allowable variation of SPL after test: ±10dB.				
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 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±5°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.				

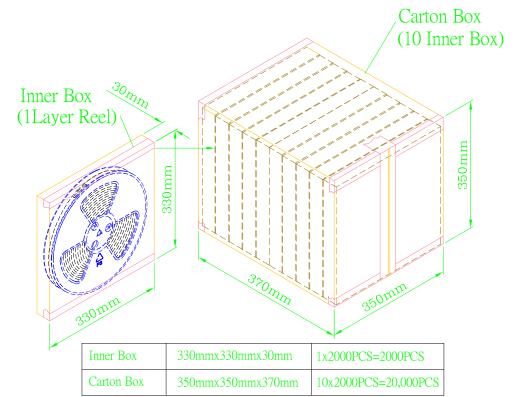
## **TEST CONDITION**

**Standard Test Condition :** a) Temperature :  $+5 \sim +35 ^{\circ}\mathbb{C}$  b) Humidity : 45-85 % c) Pressure : 860-1060mbar **Judgment Test Condition:** a) Temperature :  $+25\pm 2 ^{\circ}\mathbb{C}$  b) Humidity : 60-70 % c) Pressure : 860-1060mbar

# **G. PACKING STANDARD**







## **H.NOTE CAUTIONS**

- **a.** Please pay attention in welding process, don't let soldering flux invasion into the sound chamber , otherwise flux can cause defect conduction •
- b. Use should handle with care, avoiding direct pressure contact, or inadvertently falling down, to prevent the occurrence of fault, or the generation characteristics of abnormal movements.
  - **C**. This product is not dustproof, not waterproof, not resistance to dropping.

#### I.NOTICE ON PRODUCT STORAGE

**a**. Please store the products in room where the temperature / humidity is stable. And avoid such places where there are large temperature changes. Please store the products under the following conditions :

Temperature: -10 to +40 (degree C)

Humidity: 15 to 85% R.H.

- b. Expire date (Shelf life) of the products is 6 months after delivery under the conditions of a sealed and an unopened package. Please use the products within 6 months after delivery. If you store the products for a long time (more than 6months), use carefully because the products may be degraded in the solder-ability and/or rusty. Please confirm solder-ability and characteristics for the products regularly.
- C. Please use the products immediately after the package is opened, because the characteristics may be reduced in quality, and/or be degraded in the solder-ability due to storage under the poor condition.

### J.REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	2013.10.9	Initial condition	TDA- M75025H-03627R15	V1.0
2	Dec.31,2018	Version upgrade	TDA-M75025-0327	V2.0