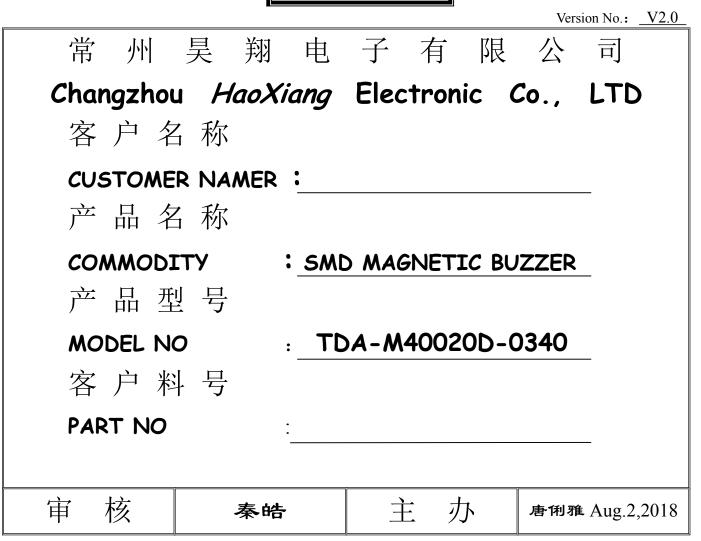


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TEL:86	<司: 常州市戚区約 -519-836308 -519-883538	39 13585451			江苏 TEL:	工厂: 如皋市郭元街 86-513-8791 :86-513-879	0588 87191		
E-mail: <u>sales@tda-buzzer.com</u> <u>sales2@tda-buzzer.com</u>									

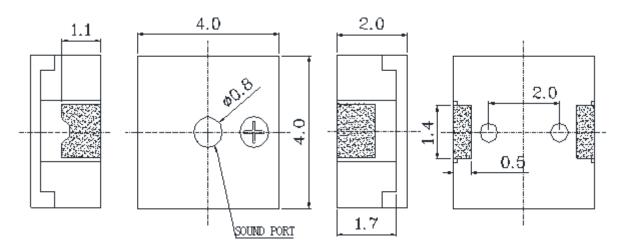
A. SCOPE

This specification applies magnetic buzzer, **TDA-M40020D-0340**

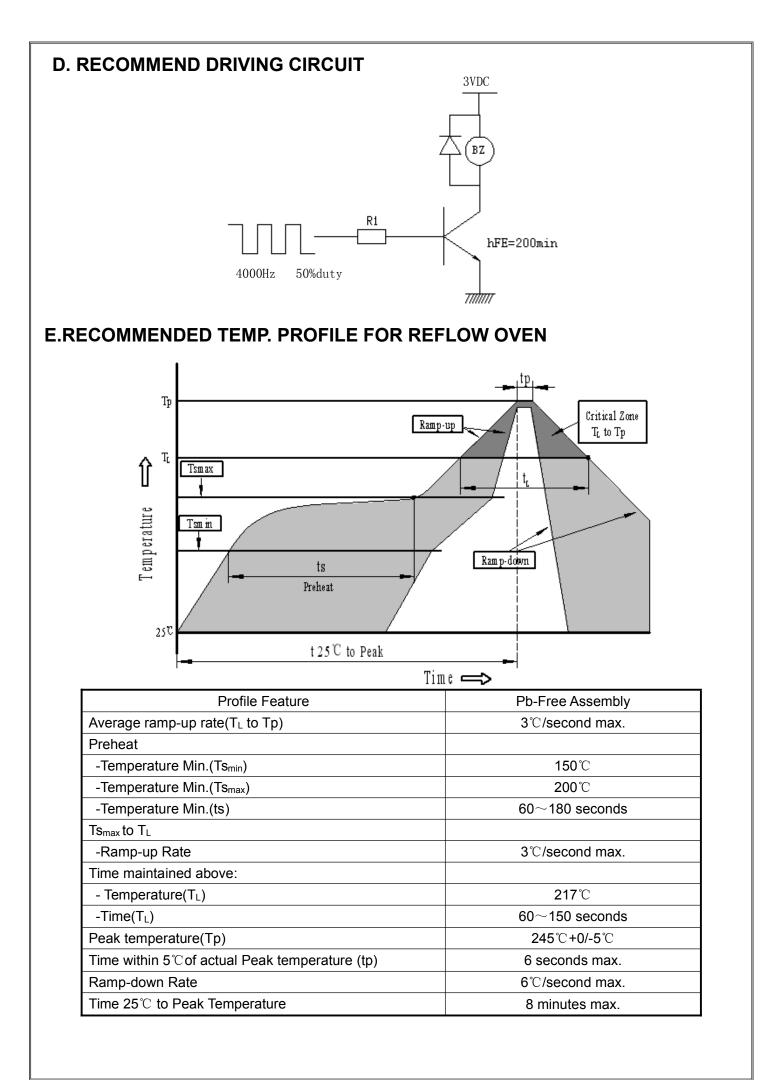
B. SPECIFICATION

No.	. Item Unit		Specification	Condition
1	Oscillation Frequency	Hz	4000	Square Wave
2	Operating Voltage	Vdc	2 ~4	
3	Rated Voltage	Vdc	3.0	
4	Current Consumption	mA	MAX. 90	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 75	at 5cm ,at 3Vdc,4000Hz
6	Coil Resistance	Ω	17±3	
7	Operating Temperature °C		-30 ~ +70	
8	Storage Temperature	rage Temperature °C -40 ~ +80		
9	Dimension	mm	4.0x4.0x H2.0	See appearance drawing
10	Weight (MAX)	gram	0.1	
11	Housing Material		LCP(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING







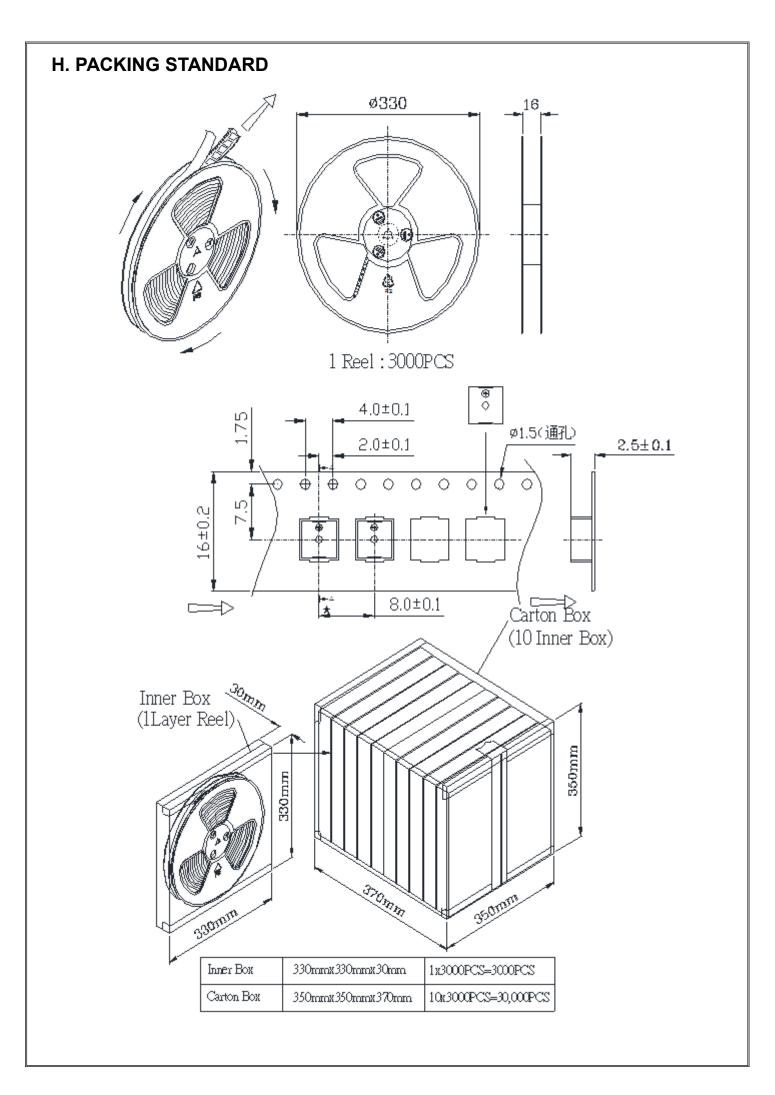
IO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -40 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Thermal shock	he part shall be subjected to 5 cycles. One cycle shall consist of : +80°C 30 min 60 min Allowable variation of SPL after test: 10dB.
4	Temperature/Humidity Cycle Test	The part shall be subjected to 10 cycles. One cycle shall be consist of:
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 1.52mmwith 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 0.5seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Soldering Heat Resistance	Stripped wires are immersed up to 1.5mm from insulation in solder bath $260\pm5^{\circ}$ C for 2 ± 0.5 seconds.

	9	Terminal Strength Pulling Test	The force of 4.9N(0.5kg) is applied to each terminal in axial direction for 60 seconds. No visible damage and cutting off.
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G.RELIABILTY TEST

No.	ltem	Test condition	Evaluation standard
		1. Ordinary temperature	Being placed for 4 hours at
		The part shall be subjected to 100 hours at room	25℃,buzzer shall be
		temperature (+25 \pm 10 $^{\circ}$ C) with 3.0V,4000HZ applied.	measured. The value of
	Operating	2. High temperature	oscillation frequency and
1 1	Operating life test	The part shall be subjected to 50 hours at +60 $^\circ\!\mathrm{C}$ with	current consumption should
	ine test	3.0V, 4000HZ applied.	be in ±10% compared with
		3. Low temperature	initial one. The SPL should be
		The part shall be subjected to 50 hours at -20 $^\circ\!\!\mathbb{C}$ with	in ±10dB compared with initial
		3.0V,4000HZ applied.	one.
TE	EST CONDITI	ON	·

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



I.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.

J.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.

K.REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	Nov.15,2017	Initial condition	TDA-M40020	V1.0
2	Aug.2,2018	Version upgrade	TDA-M40020	V2.0