



请承认书

Version No.: V2.1

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

客户名称

CUSTOMER NAMED : _____

产品名称

COMMODITY : MAGNETIC BUZZER

产品型号

MODEL NO : TDA-25125-12V-960Hz

客户料号

PART NO : _____

审核	秦皓	主办	丁华 Jun. 29, 2020
----	----	----	------------------

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

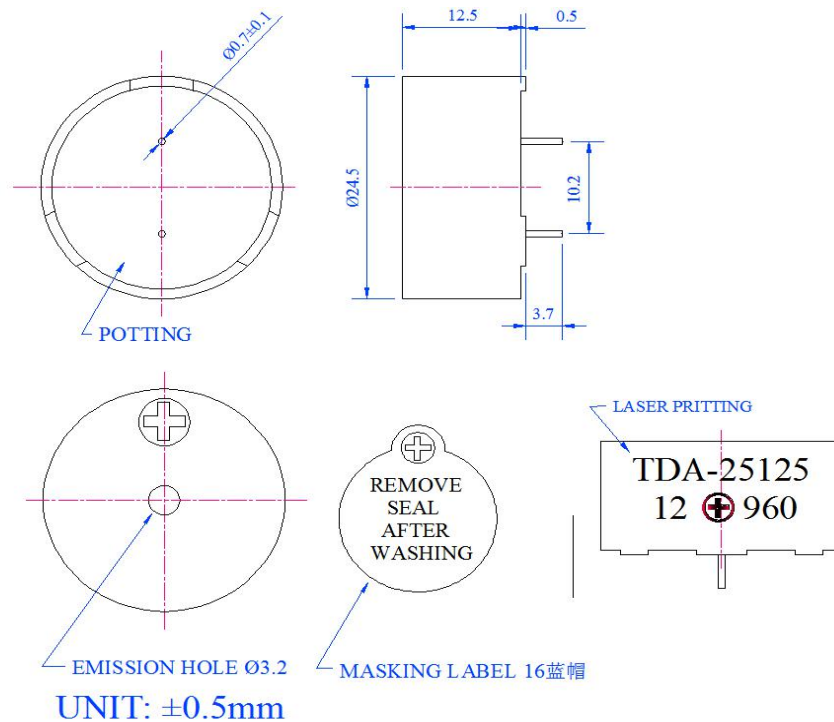
A. SCOPE

This specification applies magnetic buzzer, **TDA-25125-12V-960Hz**

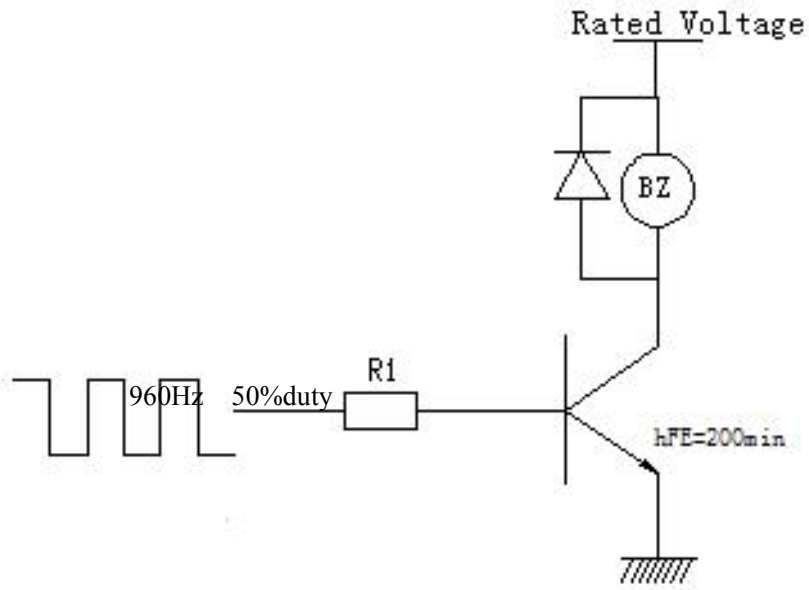
B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	960	square wave
2	Operating Voltage	Vo-p	10~14	
3	Rated Voltage	Vo-p	12	
4	Current Consumption	mA	MAX. 60	at 12Vo-p
5	Sound Pressure Level	dB	MIN. 85	at 10cm 12Vo-p 960Hz
6	Coil Resistance	Ω	$115 \pm 15\%$	
7	Operating Temperature	$^{\circ}\text{C}$	-30 ~ +85	
8	Storage Temperature	$^{\circ}\text{C}$	-40 ~ +85	
9	Dimension	mm	$\varnothing 24.5 \times H12.5$	See appearance drawing
10	Weight (MAX)	gram	10	
11	Housing Material		PBT (Black)	
12	Leading Pin		Tin Plated Brass(Au)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

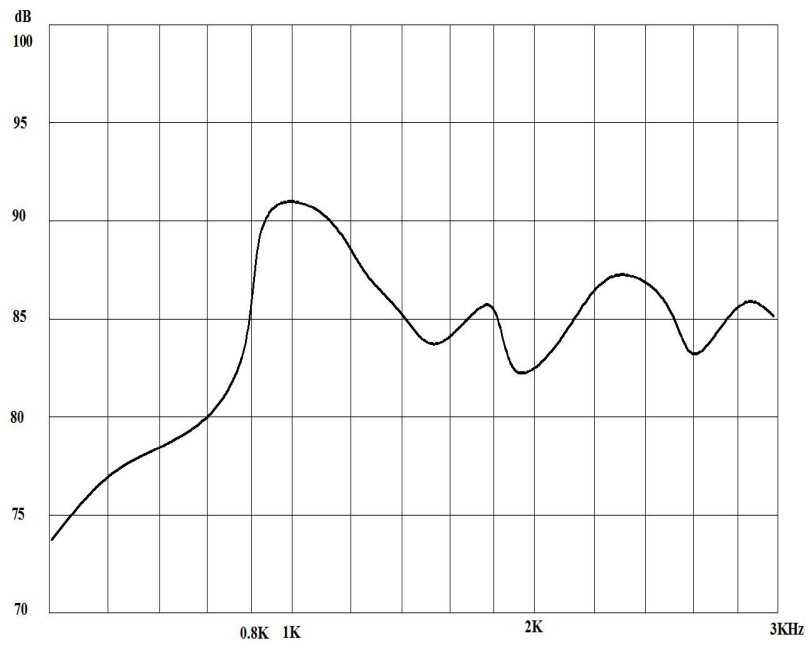
C. APPEARANCE DRAWING



D. RECOMMEND DRIVING CIRCUIT



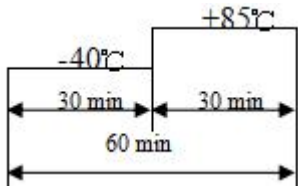
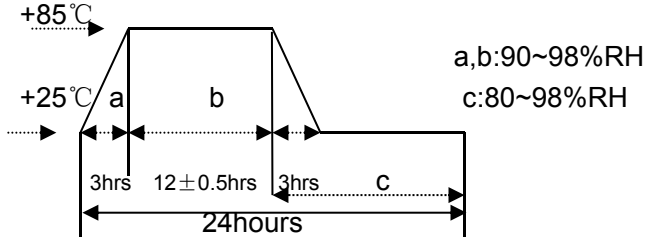
E. RESPONSE CURVE



F . MECHANICAL CHARACTERISTICS

NO	Item	Test Condition	Evaluation standard
1	Solderability	Stripped wires of lead wires are immersed in rosin for 5 seconds and then immersed in solder bath of $260\pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds.	90%min stripped wires shall be wet with solder.(except the edge of terminal)
2	Soldering Heat Resistance	Stripped wires are immersed up to 1.5mm from insulation in solder bath of $260\pm 5^{\circ}\text{C}$ for 2 ± 0.5 seconds.	No interference in operation
3	Terminal Strength Pulling	The force 60 seconds of 9.8N is applied to each terminal in axial direction	No damage and cutting off
4	Vibration	Buzzer shall be measured after being applied vibration of 1.52mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.	The value of oscillation frequency and current consumption should be in $\pm 10\%$ compared with initial ones. The SPL should be in $\pm 10\text{dB}$ compared with initial one.
5	Drop test	Dropped naturally from 60cm height onto the surface of 40mm thick wooden board of 3 directions for 3times.	

G. ENVIRONMENT TEST

NO	Item	Test Condition	Evaluation standard
1	High temp. test	After being placed in a chamber at $+85^{\circ}\text{C}$ for 96 hours	Being placed for 4 hours at 25°C ,buzzer shall be measured. The value of oscillation frequency and current consumption should be in $\pm 10\%$ compared with initial one. The SPL should be in $\pm 10\text{dB}$ compared with initial one.
2	Low temp. test	After being placed in a chamber at -40°C for 96 hours	
3	Thermal shock	The part shall be subjected to 10 cycles. One cycle shall consist of : 	
4	Temp./Humidity Cycle	The part shall be subjected to 10 cycle shall be 24 hours and consist of : 	

H. RELIABILITY TEST

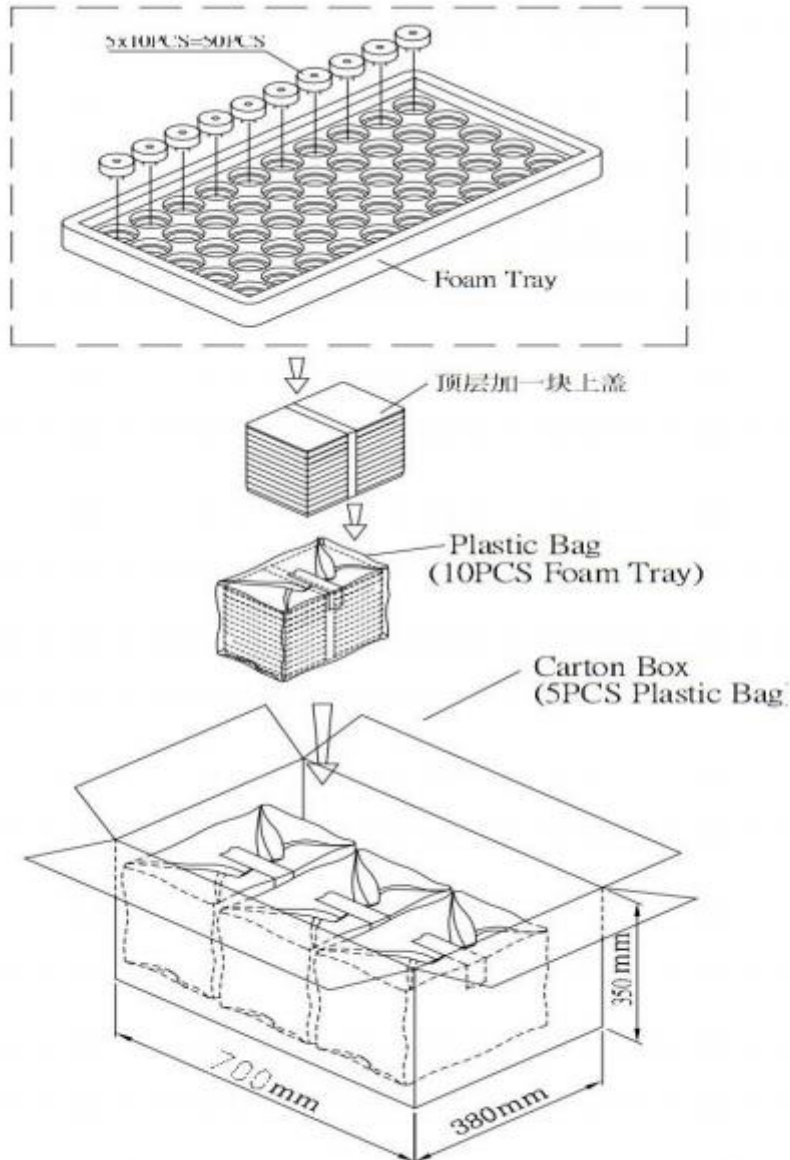
NO	Item	Test condition	Evaluation standard
1	Operating life test	1. Ordinary temperature The part shall be subjected to 96 hours at room temperature 2. High temperature The part shall be subjected to 72 hours at +85 °C with 12V,960HZ applied. 3. Low temperature The part shall be subjected to 72 hours at -40°C with 12V,960HZ applied.	Being placed for 4 hours at 25°C, buzzer shall be measured. The value of oscillation frequency and current consumption should be in ±10% compared with initial one. The SPL should be in ±10dB compared with initial one.

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

I. PACKING STANDARD



Foam Tray	320mmx170mmx25mm	1x50PCS=50PCS
Plastic Bag		10x50PCS=500PCS
Carton Box	700mmx380mmx350mm	4x500PCS=2000PCS

J.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.

K. 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.

L.REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	Jun. 05,2009	Initial condition	TDA-25125-12V-960Hz	V1.0
2	Nov.10,2017	Update product specification	TDA-25125-12V-960Hz	V1.1
3	Aug.9,2018	Version upgrade	TDA-25125-12V-960Hz	V2.0
4	Jun.29,2020	Ink printing changed Laser printing	TDA-25125-12V-960Hz	V2.1