

请承认书

样品编号: V2.0

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

客户名称

CUSTOMER NAME: _____

产品名称

COMMODITY : 蜂鸣器

产品型号

MODEL NO : TDA-35C1-12V

客户料号

PART NO : _____

审核

秦皓

主办

潘莲 May.08,2023

客户承认栏

承认

拒收

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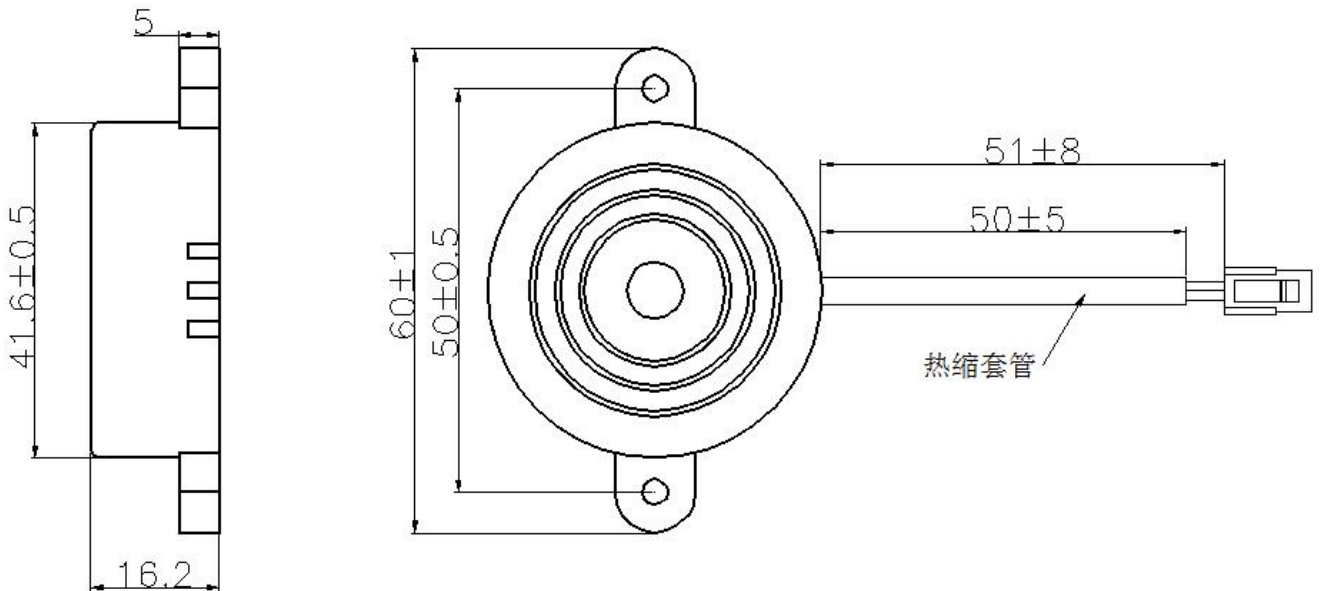
A. SCOPE

This specification applies piezo buzzer, TDA-35C1-12V

B. SPECIFICATION

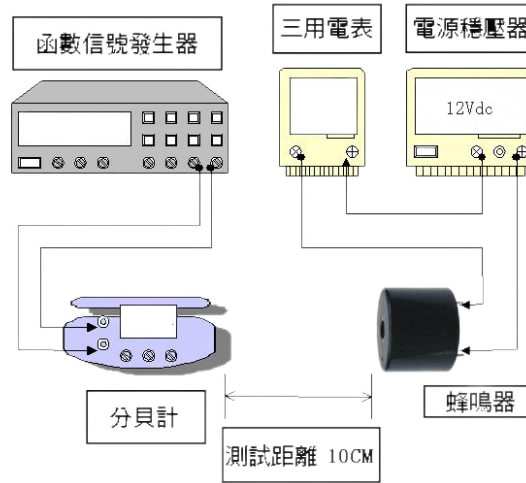
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2900±500	square wave
2	Operating Voltage	Vdc	9~16	
3	Rated Voltage	Vdc	12	
4	Current Consumption	mA	MAX. 15	at 12Vdc
5	Sound Pressure Level	dB	MIN.110	at 30cm 12Vdc
6	Operating Temperature	°C	-40 ~ +85	
7	Storage Temperature	°C	-40 ~ +95	
8	Dimension	mm	42x16	See appearance drawing
9	Housing Material		ABS 777 (Black)	
10	Leading Wire		UL2468 22AWG	See appearance drawing
11	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Unit:mmTolerance : ±0.5mm

D. Recommend Driving Circuit



E. 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 $270\pm 5^{\circ}\text{C}$ 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 $300\pm 5^{\circ}\text{C}$ for ± 0.5 seconds or $260\pm 5^{\circ}\text{C}$ for 10 ± 1 seconds.	No interference in operation
3	Terminal Strength Pulling	The force 10 ± 1 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 1.5mm 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 $\pm 10\%$ comlared with initial ones. The SPL should be in $\pm 10\text{dB}$ compared with initial one.

F. ENVIRONMENT TEST

NO	Item	Test Condition	Evaluation standard
1	High temp. test	After being placed in a chamber at 80°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 -20°C for 96 hours	
3	Humidity test	After being placed in a chamber at 40°C and $85\pm 5\%$ relative humidity for 96hours	
4	Temp. cycle test	<p>The diagram shows a temperature cycle test profile over a total duration of 3 hours. The cycle includes the following segments:</p> <ul style="list-style-type: none"> 0.5H at -20°C 0.5H ramp from -20°C to 25°C 0.25H at 25°C 0.5H ramp from 25°C to 70°C 0.5H at 70°C 0.5H ramp from 70°C to 25°C 0.25H at 25°C 	

G. RELIABILTY TEST

NO	Item	Test condition	Evaluation standard
1	Operating life test	<p>1. Continuous life test 96 hours continuous operation at 60°C with maximum rated voltage applied.</p> <p>2. Intermittent life tes A duty cycle of 1 minute on, 5mintes off, a minimum of 1000 times at room temp.(25±2°C) and maximum rated voltage applied</p>	<p>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.</p>

H. REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	May.08,2023	Version update	TDA-35C1-12V	V2.0