

请承认书

样品编号: _____

常 州 声 翔 电 子 有 限 公 司
Changzhou TDA[®] Electronic Co., LTD

客 户 名 称

CUSTOMER NAME: _____

产 品 名 称

COMMODITY : PIEZO BUZZER

产 品 型 号

MODEL NO : TDA-35332

客 户 料 号

PART NO : _____

审 核		主 办	
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客 户 承 认 栏			
承 认		拒 收	

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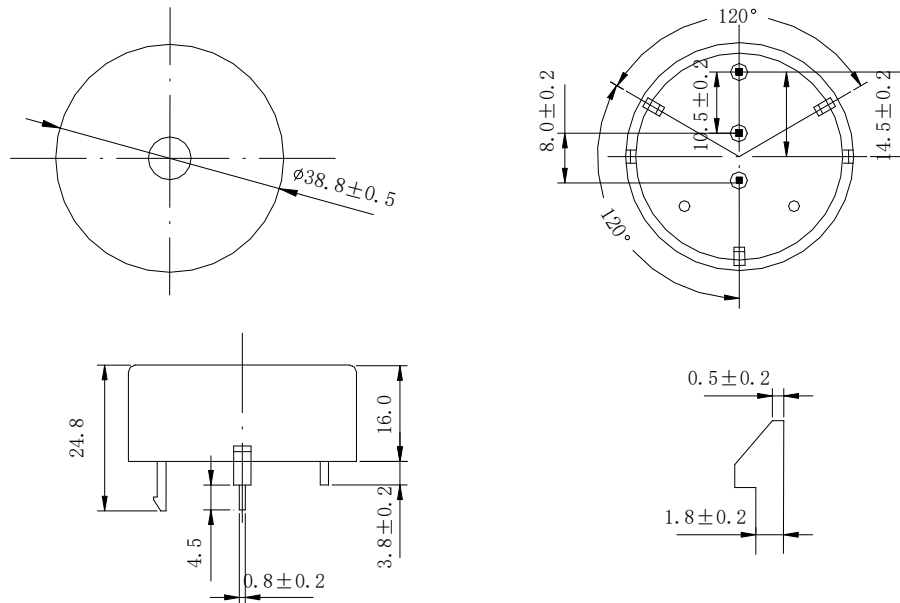
A. SCOPE

This specification applies piezo buzzer, **TDA-35332**

B. SPECIFICATION

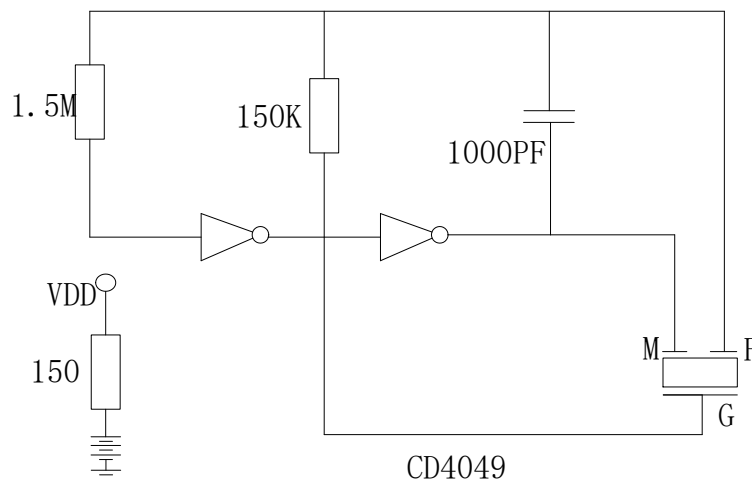
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	3400±500	square wave
2	Operating Voltage	Vdc	3~25	
3	Rated Voltage	Vdc	9	
4	Current Consumption	mA	MAX. 10	at 9Vdc
5	Sound Pressure Level	dB	MIN. 90	at 30cm 9Vdc
7	Operating Temperature	°C	-20 ~ +60	
8	Storage Temperature	°C	-30 ~ +65	
9	Dimension	mm	39.0x16	See appearance drawing
10	Weight (MAX)	gram	11	
11	Housing Material		ABS(Black)	
12	Leading			See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Unit:mm

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 60°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		

G. RELIABILTY TEST

NO	Item	Test condition	Evaluation standard
1	Operating life test	<ol style="list-style-type: none">1. Continuous life test 96 hours continuous operation at 60°C with maximum rated voltage applied.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	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.

H. PACKING STANDARD