

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 : BUZZER

产品型号

MODEL NO : TDA-12095-3S

客户料号

PART NO : _____

审核

朱刘兵

主办

徐青梅 09/06/23

客户承认栏

承认

拒收

常州声翔电子有限公司

南通辰翔电子有限公司

常州公司:

江苏省常州市戚区潞城镇富民路

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

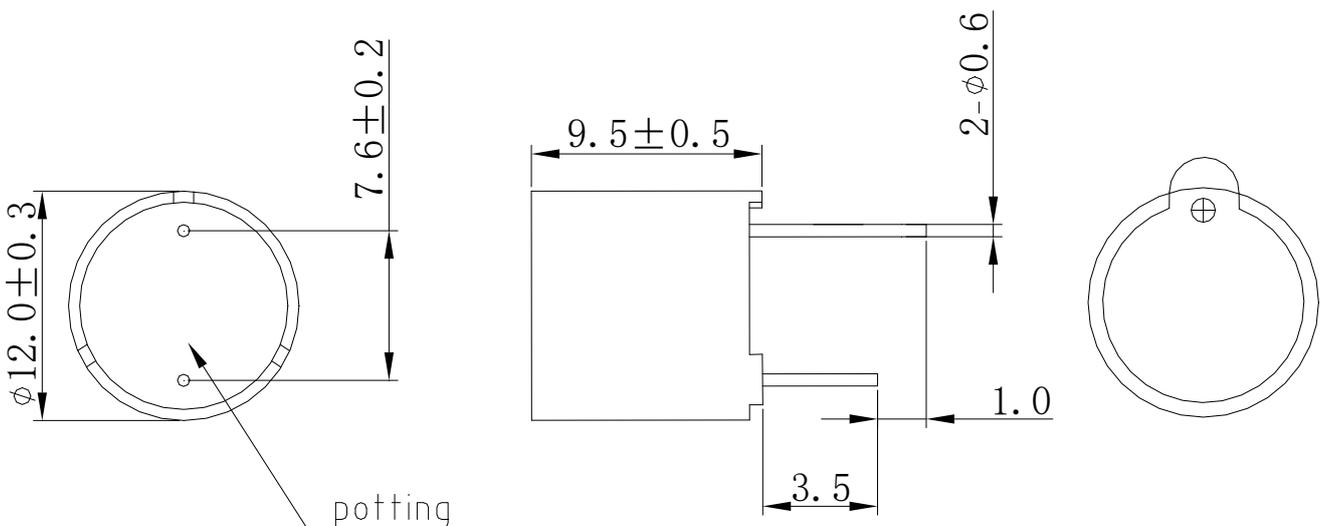
A. SCOPE

This specification applies magnetic buzzer, **TDA-12095-3S**

B. SPECIFICATION

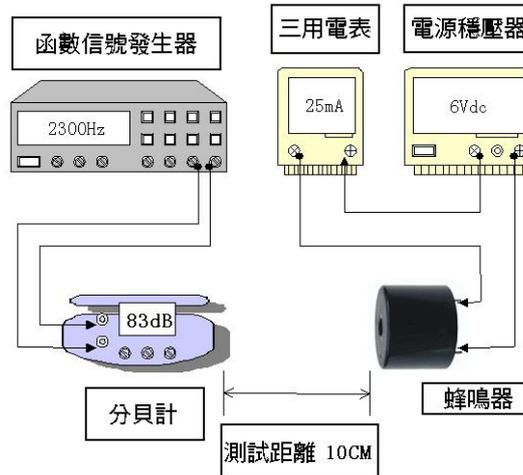
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2300 ± 300	square wave
2	Operating Voltage	Vdc	1.5~4	
3	Rated Voltage	Vdc	3	
4	Current Consumption	mA	MAX. 30	at 3Vdc
5	Sound Pressure Level	dB	MIN. 85	at 10cm 3Vdc
6	Coil Resistance	Ω		
7	Operating Temperature	°C	-30 ~ +70	
8	Storage Temperature	°C	-40 ~ +80	
9	Dimension	mm	12.0x9.5	See appearance drawing
10	Weight (MAX)	gram	1.2	
11	Housing Material		PBT(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	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	<p>The graph shows a temperature cycle test profile over a 3-hour period. The temperature starts at -20°C, ramps up to 25°C (0.5H), dwells at 25°C (0.25H), ramps up to 70°C (0.5H), dwells at 70°C (0.5H), ramps down to 25°C (0.5H), dwells at 25°C (0.25H), and finally ramps down to -20°C (0.5H). The total cycle time is 3 hours.</p>	

G. RELIABILITY 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

