请承认书

				梓	羊品编号 : V1	2
常州	声翔	电	子有	可限	公司	
Changzho	ou TDA	l [®] El	ectro	nic C	o., LTD	
客户名	3 称					
CUSTOME	RNAMER	;				
产品名	3 称					
COMMOD	ITY		Bu	ızzer		
产品型	보 号					
MODEL NO)	:T	DA-27	72-130	00Hz	
客户料	斗 号					
PART NO	:					
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常	州	声	翔	电	子	有	限	公	司
南	通	辰	翔	电	子	有	限	公	一司

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E-mail: <u>lucas@tdausa.com</u>

美国销售部(USA SALE OFFICE):

McCarthy Business Center 1525 McCarthy Blvd, Suite 1111 Milpitas, CA 95035

Tel: 1-408-6935952

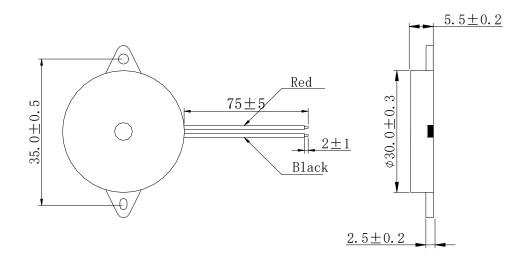
A. SCOPE

This specification applies piezo buzzer, TDA-272-1300Hz

B. SPECIFICATION

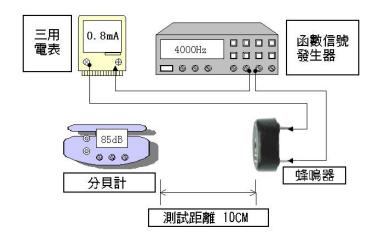
No.	Item	Unit	Specification	Condition	
1	Oscillation Frequency	Hz	1300	square wave	
2	Operating Voltage	Vp-p	3~25 max		
3	Capacitance	pF	1	at120Hz	
4	Current Consumption	mA	MAX. 2	at 12Vp-p	
5	Sound Pressure Level	dB	MIN. 80	at 10cm 12Vp-p 1300Hz	
6	Insulation Resistance	МΩ	100	at 1minute 25V	
7	Operating Temperature	$^{\circ}\!\mathbb{C}$	-20 ~ +55		
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-30 ~ +60		
9	Dimension	mm	30x5.5	See appearance drawing	
10	Weight (MAX)	gram	1.5		
11	Housing Material		ABS(Black)		
12	Leading Wire		UL1571 AWG30#	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±5°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±5 $^{\circ}$ C for ±0.5 seconds or 260±5 $^{\circ}$ 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.	

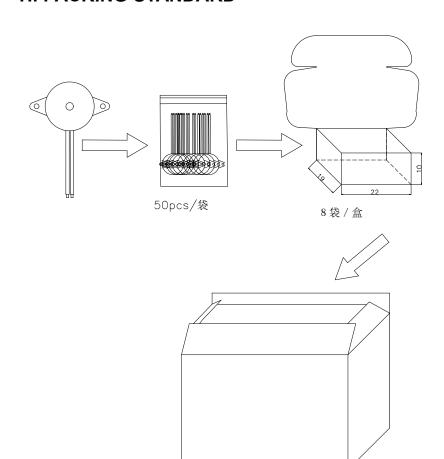
F. ENVIRONMENT TEST

NO	Item	Test Condition	Evaluation standard	
1	High temp. test	After being placed in a chamber at55°C for 96 hours		
2	Low temp. test	After being placed in a chamber at -20 ℃ for 96 hours	Being placed for 4 hours	
3	Humidity tost	After being placed in a chamber at 40°C and 85±5%	at 25℃,buzzer shall be	
3 Humidity test		relative humidity for 96hours	measured. The value of	
4	Temp. cycle test	55°C 25°C 25°C 25°C 0.5 0.5H 0.25 0.5H 0.5H 0.5H 0.25 3hours	oscillation frequency and current consumption should be in ±10% compared with initial one. The SPL should be in ±10dB compared with initial one.	

G. RELIABILTY TEST

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



NOTE:50Pcs/bag 8 bags/carton 10 cartons/box total 4000Pcs per box

I. Note cautions

- **a.** Can not be applied DC bias voltage and a sounding body or pronunciation elements, otherwise its insulation resistance will decrease and the use of performance degradation.
- **b.** Can not be imposed over pronunciation body or pronunciation components allows the use of voltage range of the voltage on the.
- **C.** Please pay attention in welding process, don't let soldering flux invasion into the sound chamber , otherwise flux can cause defect conduction.
- **d**. 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

J. Revision

No.	DATE	DESCRIPTION	REMARK	VERSION
1	2011.10.29	Initial condition	TDA-272-1300Hz	V1.0
2	2015.11.19	Add packing standard	TDA-272-1300Hz	V1.1
3	2016.7.5	Cancel capacitance definition	TDA-272-1300Hz	V1.2