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SPECIFICATION FOR APPROVAL PIEZO TRANSDUCER


Model Name	LPT1770A-TB-09-4.0-15-10.0-R
Note	

Product Photo	Cre-Sound
	DRAWING: 姚宝鑫
	CHECKED: 韦娟
	APPROVED: 宋雪琪
Customer Confirmation:	

ChangZhou Cre-Sound Electronics Co.,Ltd.
Tel: +86-0519-86321175; Fax: +86-519-86702455
E-mail:connie@wj-lianhua.com

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Alteration History					
Change NO.	Note	Before of changes	After of changes	Reason	Revision

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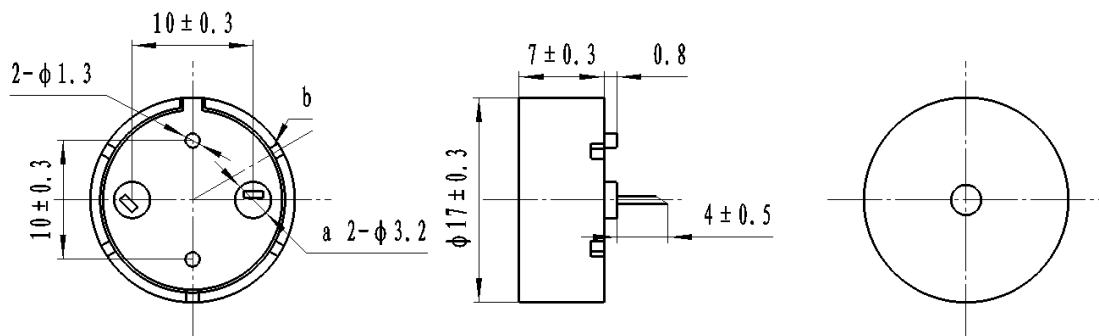
LPT1770A-TB-09-4.0-15-10.0-R PIEZO ELECTRIC SOUNDER

1	Rated Voltage (Vp-p)	9
2	Resonance Frequency (KHz)	4.0 ± 0.5
3	Max Input Voltage (Vp-p)	30
4	*Rated Current (mA)	≤ 9
5	Capacitance at 120Hz (pF)	$15000 \pm 30\%$
6	*Sound Output at 10cm (dB)	≥ 90
7	Operating Temperature (°C)	-40~+85
8	Storage Temperature (°C)	-40~+85
9	Weight (g)	1.2
10	Housing Material	PBT
11	RoHS	Yes


*Applying rated voltage (at 4000Hz, 1/2 square wave,10cm test)

DIMENSIONS (UNIT: mm)

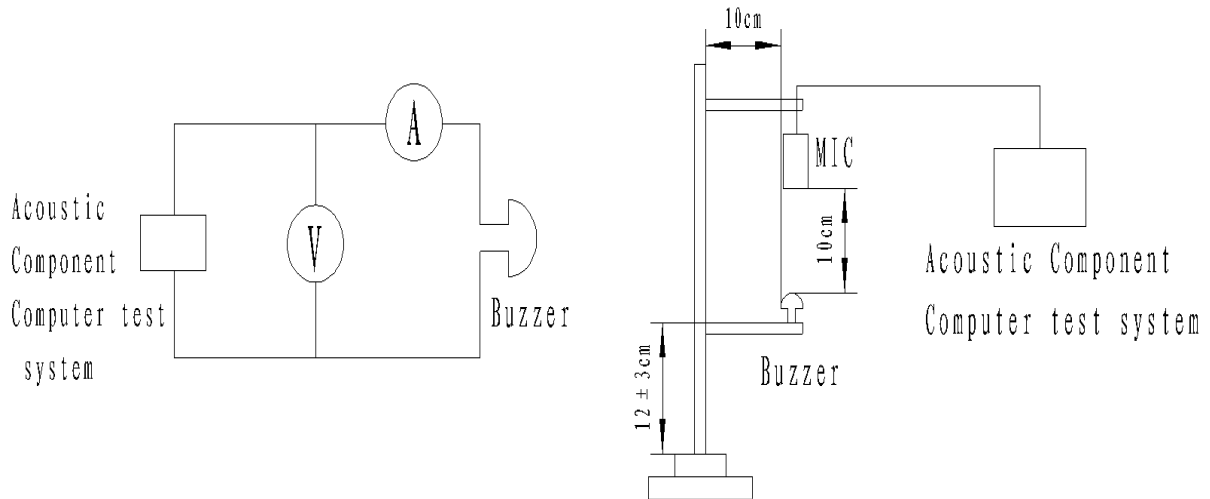
Tolerance: ± 0.5 mm Except Specified



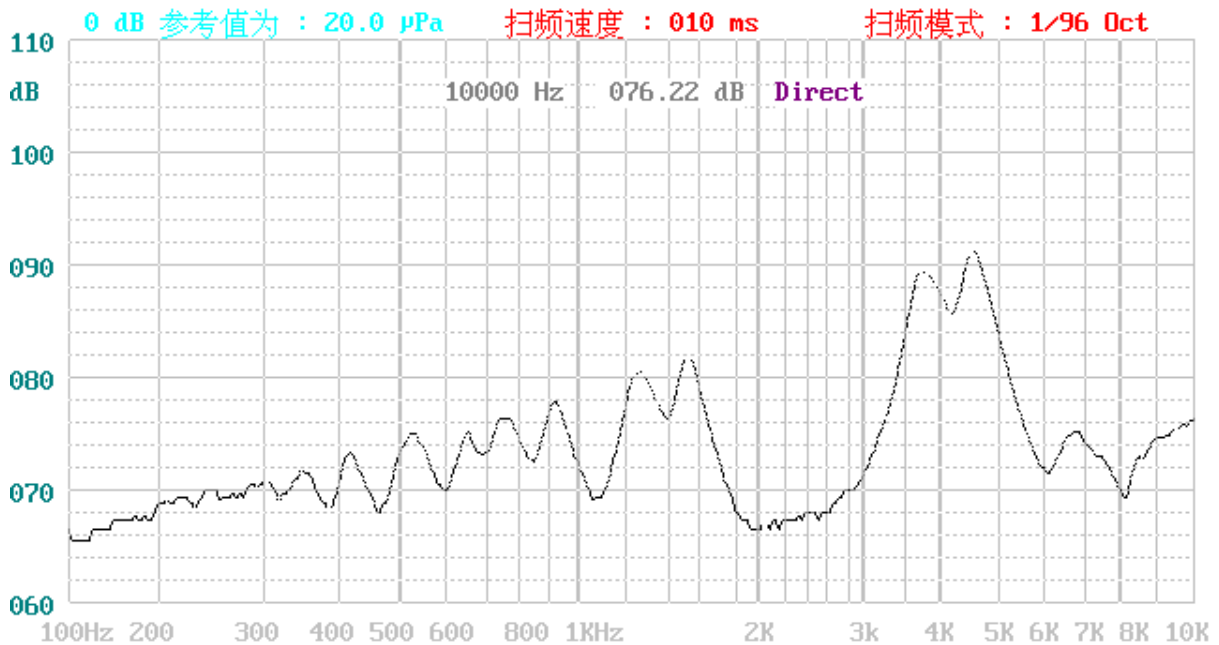
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TEST METHOD:



FREQUENCY RESPONSE:




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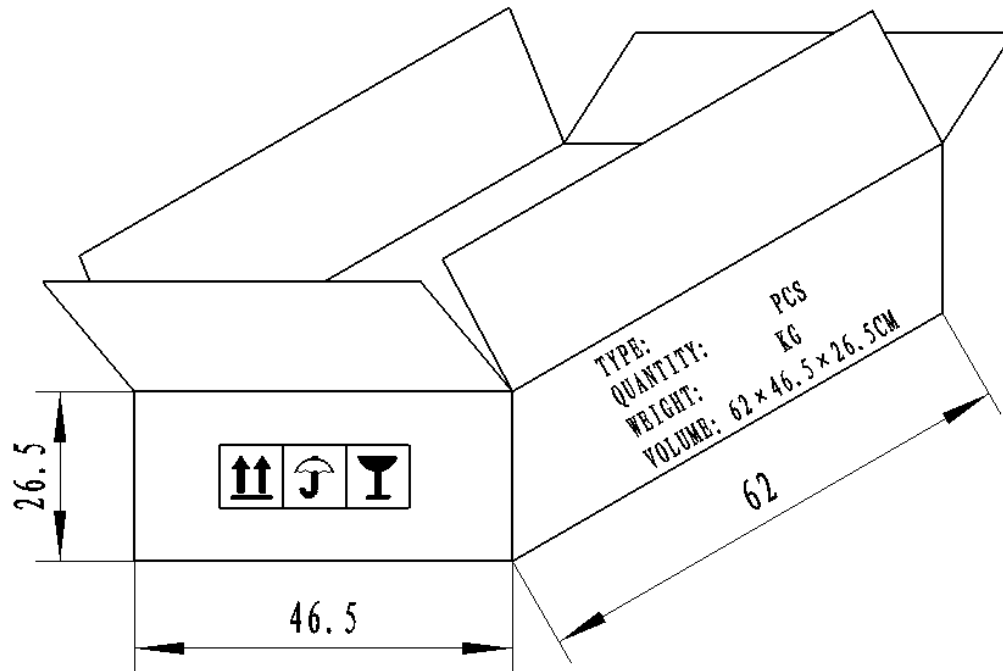
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RELIABILITY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	40±2℃, 93(+2/-3)%RH, 96HRS	All specifications must be satisfied after the test.
2	High temp.	+80±2℃, 96HRS	
3	Low temp.	-30±2℃, 96HRS	
4	Temperature cycling	-30±2℃, 30minutes room temp. 15 minutes +80±2℃, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 1.0mm is 1 minute.	
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 260±5℃ for a period of 10 seconds. Refer to GB2423.28.	After the test part shall meet specifications without any degradation in appearance and performance.

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PACKING:



NOTE:

- 1.50 PCS per box
- 2.Total 80 boxes per carton
- 3.Total 4000 PCS a carton
- 4.Volume:62×46.5×26.5cm

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