


	DATE	06-03-2018	SPECIFICATION	KLS ELECTRONIC CO., LTD
	PAGE	1/6		
	Rev.	A/0		
<i>MODEL NAME: L-KLS3-PT-17*08-A</i>				

SPECIFICATION FOR APPROVAL PIEZO TRANSDUCER

Model Name	L-KLS3-PT-17*08-A
Note	

Product Photo	Cre-Sound
	DRAWING: 周文占/姚宝鑫
	CHECKED: 韦 娟
	APPROVED: 宋雪琪
Customer Confirmation:	

	DATE	06-03-2018	SPECIFICATION	KLS ELECTRONIC CO., LTD
	PAGE	3/6		
	Rev.	A/0		
	<i>MODEL NAME: L-KLS3-PT-17*08-A</i>			

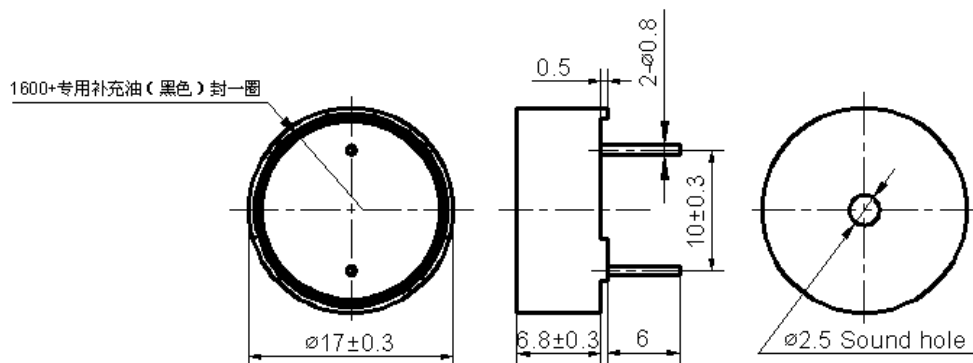
Technical terms:


No.	Technical terms	Value
1	Rated Voltage (Vp-p)	5
2	Max Input Voltage (Vp-p)	25
3	*Rated Current (mA)	≤ 5
4	Capacitance at 120Hz (PF)	15000 \pm 30%
5	*Sound Output at 10 cm (dB)	≥ 85
6	Resonant Frequency (Hz)	4000 \pm 500
7	Operating Temperature (°C)	-20~+70
8	Storage Temperature (°C)	-30~+80
9	Weight (g)	1.3
10	Housing Material	PPO
11	RoHS	Yes

*Value applying at rated voltage, 4000Hz, 1/2 duty, square wave

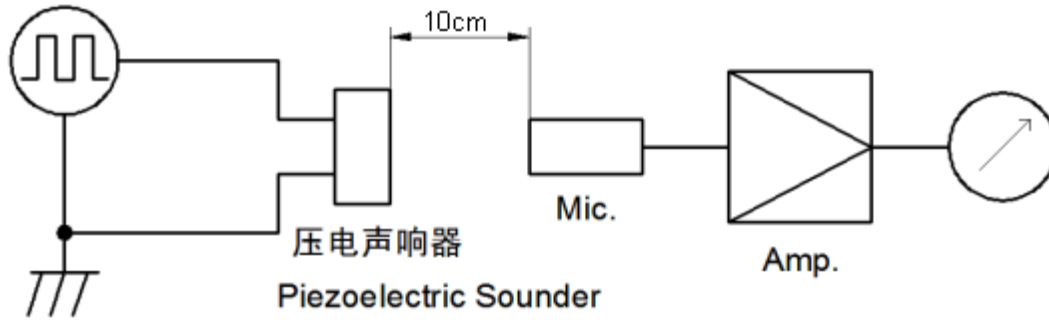
Test basic state: Temp(20 \pm 2°C) , Humidity(40~70%RH) , Air pressure(860~1060hPa).

DIMENSIONS (UNIT: mm) Tolerance: ± 0.5 mm Except Specified



	DATE	06-03-2018	SPECIFICATION	KLS ELECTRONIC CO., LTD
	PAGE	4/6		
	Rev.	A/0		
MODEL NAME: L-KLS3-PT-17*08-A				

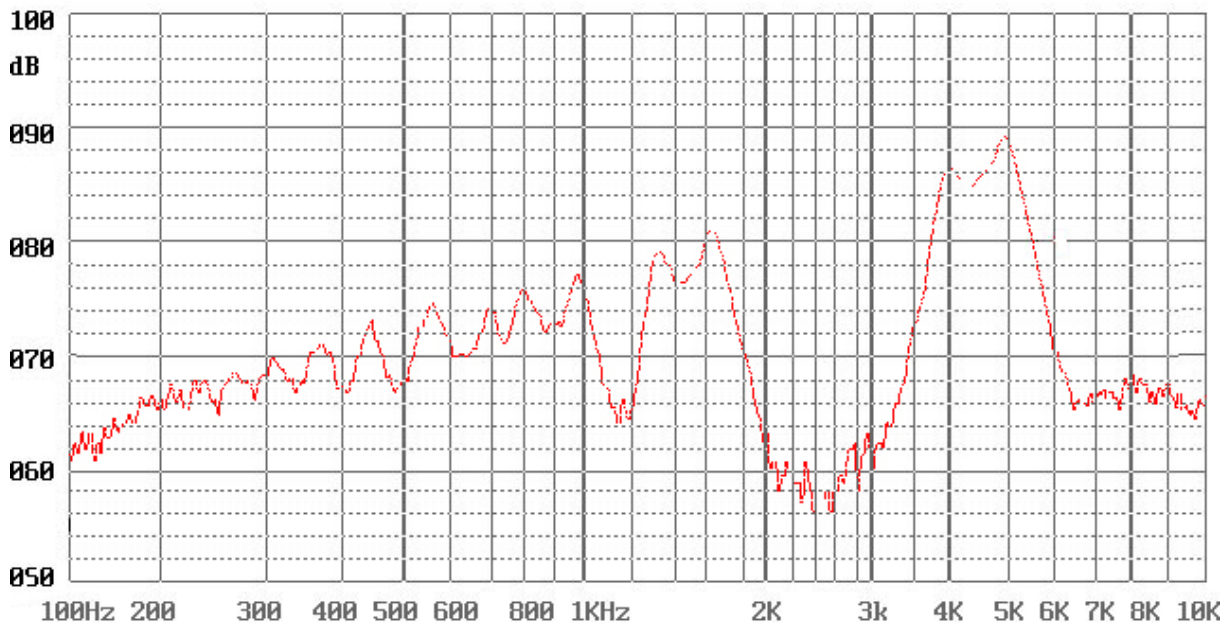
TEST METHOD:




MIC: ND10 普通声级计或等同品
 MIC: ND10 Sound Meter or equivalent

信号发生器: DF1641D或等同品
 Signal Generator: DF 1641D or equivalent


FREQUENCY RESPONSE:



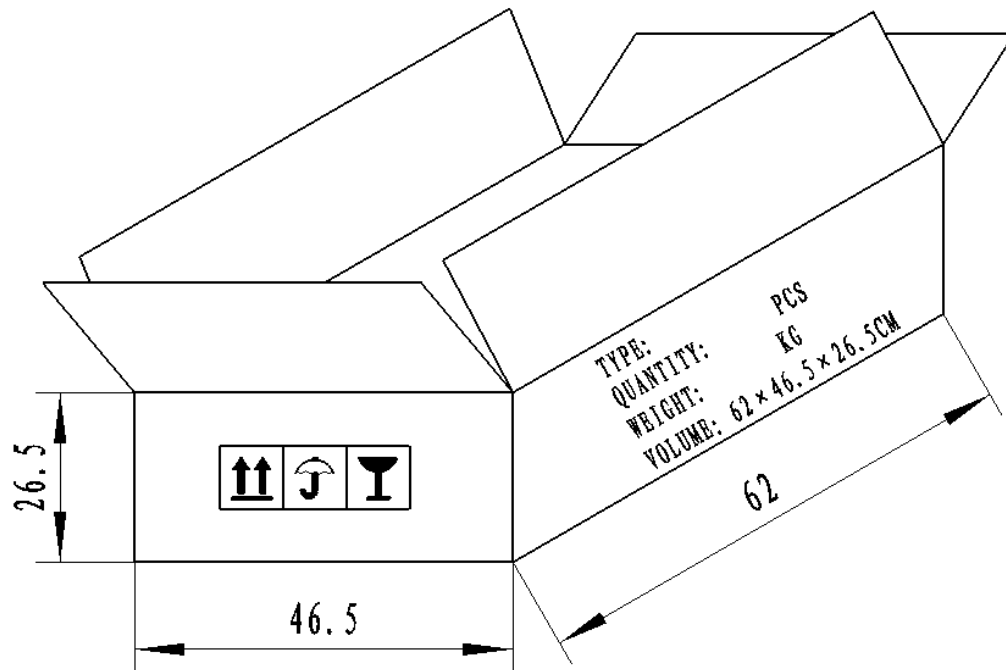
	DATE	06-03-2018	SPECIFICATION	KLS ELECTRONIC CO., LTD
	PAGE	5/6		
	Rev.	A/0		
<i>MODEL NAME: L-KLS3-PT-17*08-A</i>				

RELIABILITY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	40 ± 2°C, 93(+2/-3)%RH, 96HRS	After being placed for 2 to 4hrs at room temp, the product shall meet specifications, except the SPL should be in ±10dB compared with initial one.
2	High temp.	+80 ± 2°C, 96HRS	
3	Low temp.	-30 ± 2°C, 96HRS	
4	Temperature cycling	-30 ± 2°C, 30minutes room temp. 15 minutes +80 ± 2°C, 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.	After the test part shall meet specifications, except the SPL should be in ±10dB compared with initial one.
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.	After the test , the SPL of the part shall meet specifications.
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 260 ± 5°C for a period of 10 seconds. Refer to GB2423.28.	After the test part shall meet specifications without any degradation in appearance and performance.

	DATE	06-03-2018	SPECIFICATION	KLS ELECTRONIC CO., LTD
	PAGE	6/6		
	Rev.	A/0		
<i>MODEL NAME: L-KLS3-PT-17*08-A</i>				

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