



MODEL: PB-1408-1
PRODUCT: Piezo Buzzer
EDITION: A/2017

THIS SPECIFICATION APPLIES TO THE PIEZO BUZZER

SPECIFICATION

Test condition: TEMP=+25±2 °C Related humidity=65±5% Air pressure: 860 ~ 1060mbar

item	unit	specification	condition
rated voltage	DC	12.0	
operating volt	VDC	3 ~ 16	
rated current	ma	12	
sound output	dB	80	At 10cm
resonant frequency	KHz	4000 ±500	
operating temp	°C	-20 ~ +70	
storage temp	°C	-30 ~ +80	
dimensions	mm	Ø13.8 x 7.5	see drawing attached
weight (max)	gram	0.8	
housing material		PPO	
leading pin		pin type	See appearance drawing
environmental protection regulation		RoHS	

RELIABILITY TEST

item	test condition	variance after test
high temp. test	+80±2°C, 96 Hours	All original specifications must be satisfied after the test.
low temp. test	-30±2°C, 96 Hours	
humidity test	40±2°C, 93±2%RH, 96 Hours	
temperature cycling	-30±2°C, 30 minutes at +23°C, 15 minutes +80±2°C, 30 minutes at +23°C , 15 minutes 5 cycles	

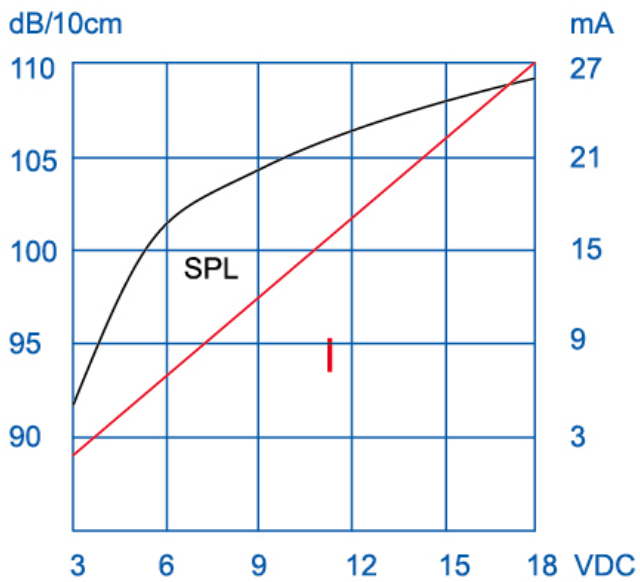


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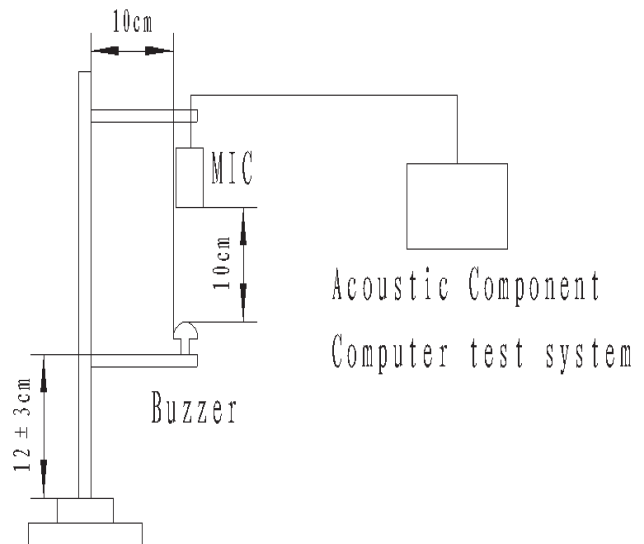
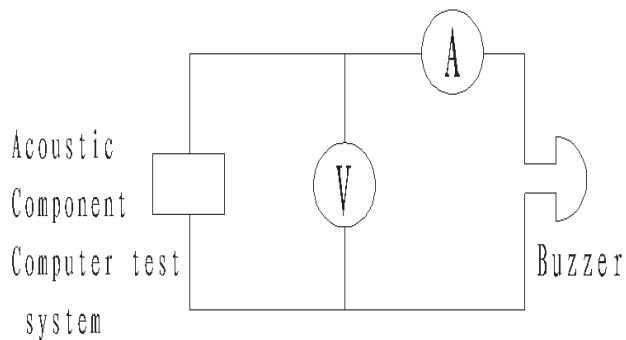
RELIABILITY TEST

item	test conditions	variance after test
drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	All original specifications must be satisfied after the test.
vibration test	Axis test X Y and Z Duration: 30 minutes Rate: sweep from 10Hz - 55Hz - 10Hz over 3 minutes Amplitude of 10mm	
solderability test	The part leads (pins) will be immersed in molten solder at $250 \pm 10^{\circ}\text{C}$ for a period of 30 seconds.	After the test part will meet original specifications without any degradation in appearance and performance.

SPL & CURRENT CONSUMPTION VS. INPUT VOLTAGE



TEST METHOD

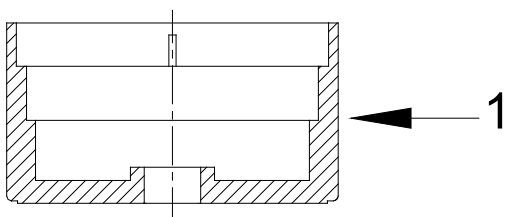
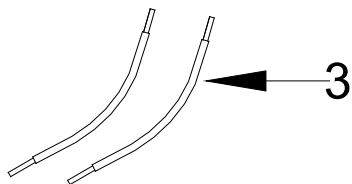
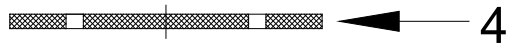
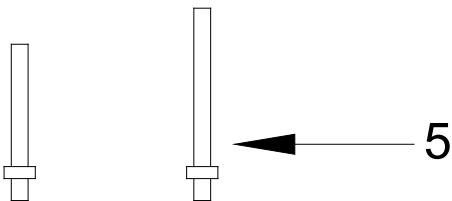
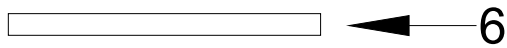
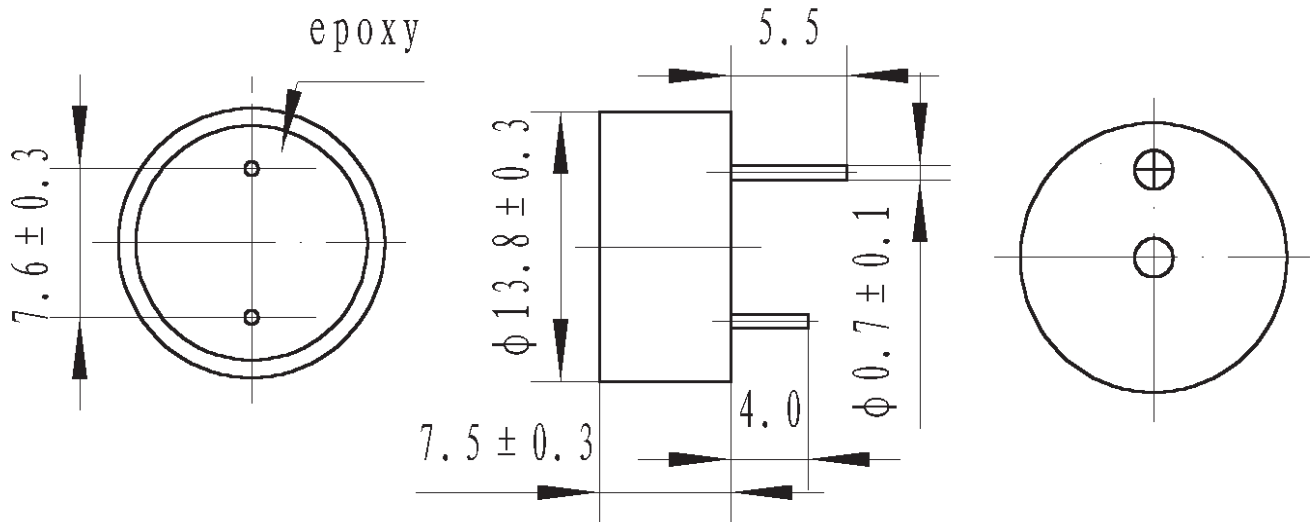




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DIMENSION

Tolerance: ± 0.5 Unit: mm



no	item	material
1	case	PPO + 10% glassfiber
2	diaphragm	Copper + ceramic
3	wire	Enameled
4	PCB	Epoxy the CCL
5	pin	Copper
6	glue	Epoxy



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PACKING

100 Pcs per box
Total 50 boxes per carton
Total 5000 Pcs carton
Volume: 51.5X 42X 26 cm

