



Product Specification

Ningbo East Electronics Limited

NO. 88 East Jinhui Road, Yinzhou Ningbo 315100, P.R.China http://www.east-mingtao.com

Product Name:	Piezo Buzzer
Part Number:	SL1I-12HL
Version:	1.02
Date:	2019-11-6
Note:	

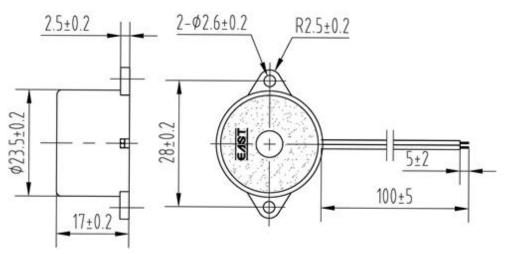
East is an ISO 9001, IATF16949 and ISO 14001Certified Company

Revision History

Rev.	Description	Author/Date	Checked By	Approver
1.02	Quality management system revised	汤礼东 2019-11-6	吕文斌	王建成
1.01	Quality Certificate Symbol revised	刘宁 2015-2-5	汤礼东	王建成
1.0	Released	陈启旺 2013-2-20	张春雷	王建成

1. Part Number SL1I-12HL

2. Dimension Drawing (Unit: mm)

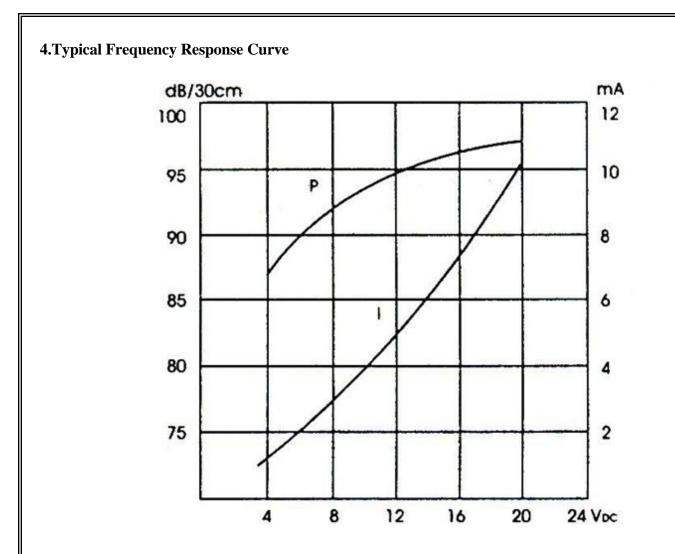


3.Specification

No.	Item	Specification
3-1	Min. Sound Pressure Level	91dB/12V _{DC} /30cm
3-2	Rated Voltage	12V _{DC}
3-3	Operating Voltage	3~20V _{DC}
3-4	Max. Consumption	10mA/12V _{DC}
3-5	Oscillating Frequency	3.7 ± 0.5 kHz
3-6	Tone Nature	Continuous
3-7	Operating Temperature	-20~+70°C
3-8	Case Material/Color	ABS/Black
3-9	Weight	7.2g
3-10	Wire Standard	UL1095-28AWG

NOTES:

Test should be made under the conditions of room temperature $(20\pm10^{\circ}\text{C})$, normal humidity $(60\pm20\%)$ and normal atmospheric pressure. In this case, however, that the judgment is questionable, the test conditions are to be changed to room temperature $20\pm2^{\circ}$ C, relative humidity $60\sim70\%$ and normal atmospheric pressure

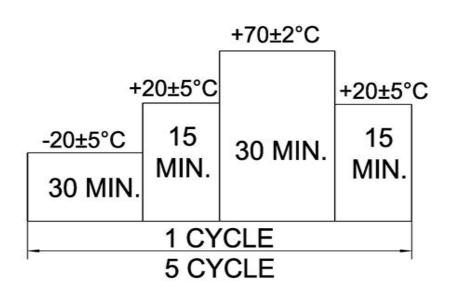


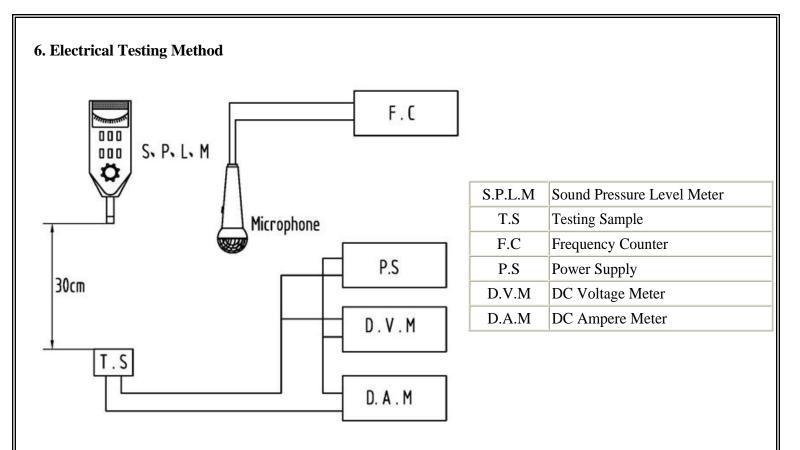
Note:Distance 30 cm

5. Reliability Test

No.	Item	Method of Test	Tolerance after Testing	
5-1	Operating Temperature	-20~+70°C	Sound pressure level	
5-2	Storage in high temperature	Storage in $+70^{\circ}$ C test box 96 hours then exposed to the room temperature for 2 hours	initial value ±10dB Max. consumption value ±20%	
5-3	Storage in low temperature	Storage in -20°C test box 96 hours then exposed to the room temperature for 2 hours		
5-4	Life test in the room temperature	Operate the product continuously 5 seconds on 5 seconds off 300 hours at rated voltage	value±20%	
5-5	Temperature / humidity cycle test	Storage in +40°C, $93\pm3\%$ RH test box 96 hours then exposed to the room temperature for 2 hours		
5-6	Temperature (high and low) cycle test	Conduct the test for 5 cycles without applying power then expose to the room temperature for 2 hours.(See Figure 5-6)		
5-7	Vibration test	Conduct the test for the directions of X Y and Z for 0.5 hour each (total 1.5 hours). To-and Fri sweep time(from 10 to 55Hz and then 55 to 10) under single amplitude of 0.75mm is 3 minute, then expose to the room temperature for 2 hours		
5-8	Drop test	Drop a product naturally from the height of 700mm onto the surface of 100mm thick wooden board. Two directions: upper and side of the product are to be applied for this drop test once respectively		

Figure 5-6





7. Packing Information

Packing: 2000 pcs per export carton Carton Size: 47× 30.5× 25 cm G. Weight: 16 kgs N. Weight: 14.4 kgs