APPROVAL SHEET

FOR

PIEZO BUZZER

ILOSAM ELECTRONICS CO., LTD.

CLUE No.:

OUR PART No.:

MODEL No.: FY-23

CUSTOMER PART No.:

DOCUMENT No.:

CUSTOMER	APPROVED	CHECKED

1. Document revision history

修改时间	版本	修改页次	修改内容	确认人
2021-08-31	A0	Pag.1	料号变更，原 021-2410-SP 升级为 021-2410-03	唐瑜靖

2.Technical Parameter Measuring condition

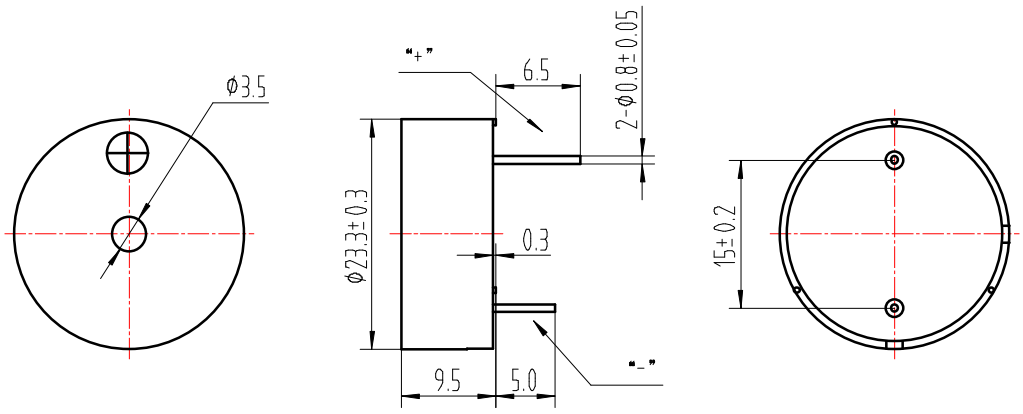
Part shall be measured under a condition (Temperature: 5～35℃, Humidity: 45%～85%R.H., Atmospheric pressure: 860 ～ 1060hPa) unless the standard condition (Temperature: 25±3℃, Humidity: 60±10%R.H. Atmospheric pressure: 860 ～1060hPa) is regulated to measure.



1	Rated Voltage	12 VDC
2	Operating Voltage	10 – 15VDC
3	Rated Current	Max.20mA, at 12VDC
4	Sound Output at 10cm	Min.95dB, at 12VDC
5	Resonant Frequency	3500±500 Hz
6	Tone	Continuous
7	Operating Temperature	-20 - +70℃
8	Storage Temperature	-30 - +80℃
9	RoHS	Yes
10	Weight	Approx 3g

3. Dimensions

Unit: mm Tolerance: ±0.5mm Except Specified



*Housing Material: Black PPO

4. Reliability Test

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value

4.1 Ordinary Temperature Life Test

The part shall be subjected to 96 hours at 25±10℃. Input rated voltage Resonant frequency, 1/2 duty Square wave.

4.2 High Temperature Test

The part shall be capable of with standing a storage temperature of +80℃ for 96 hours.

4.3 Low Temperature Test

The part shall be capable of with standing a storage temperature of -30℃ for 96 hours.

4.4 Humidity Test

Temperature:+40℃±3℃ Relative Humidity:90%～95% Duration: 48 hours and expose to room temperature for 6 hours

4.5 Temperature Shock Test

Temperature:70℃ /1hour→ 25℃/3hours→-30℃/1hour→ 25℃/3hours (1cycle) Total cycle: 10 cycles

4.6 Drop Test

Standard Packaging From 75cm(Drop on hard wood or board of 5cm thick, three sides, six plain.)

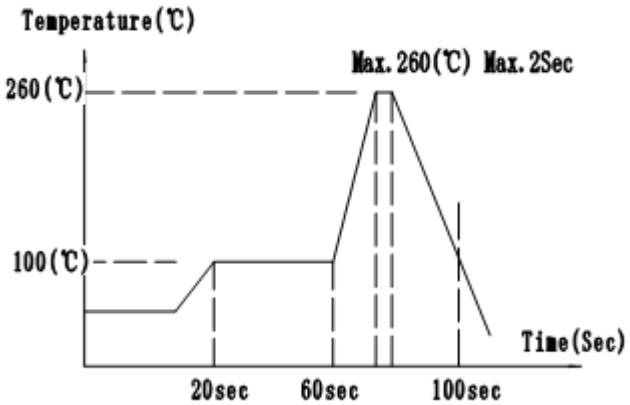
4.7 Vibration Test

Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

Note:

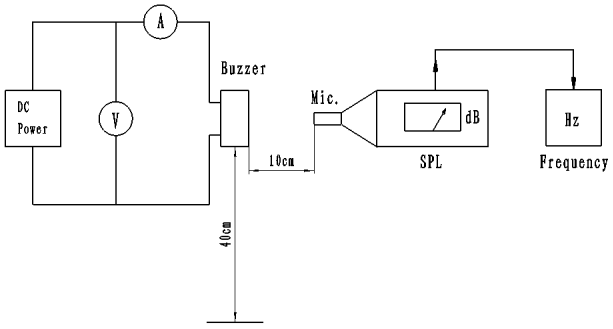
As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.

5. Recommended the wave soldering temperature

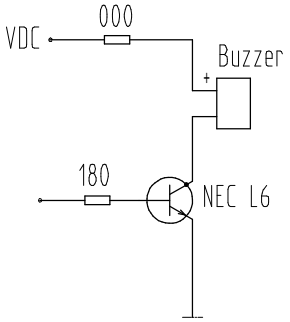


6. Electrical And Acoustical Measuring Condition

a) Recommended Setting

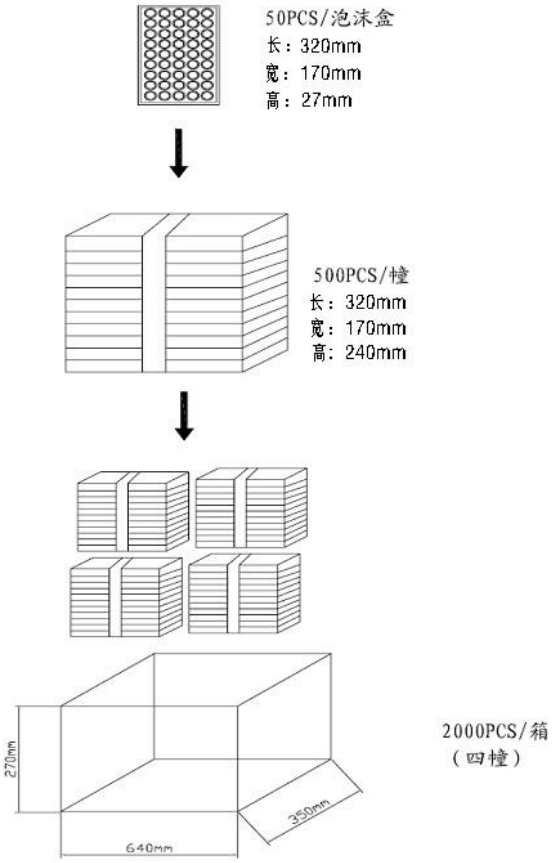


b) Recommended Test Circuit



7. Packing

包装要求	1. 泡沫盒　　50PCS/盒　　料号：F6-P-015 2. 外箱料号：F6-X-010；外箱尺寸：64*35*27	
唛头要求		



Approx. 8kg/箱