



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHxDZ-1580-5V

產品名稱 (Description):

蜂鸣器 (Buzzer)

產品規格 (Specification):

5V 有源贴片式

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
	日期: 2022 年 04 月 19 日 版次: A		

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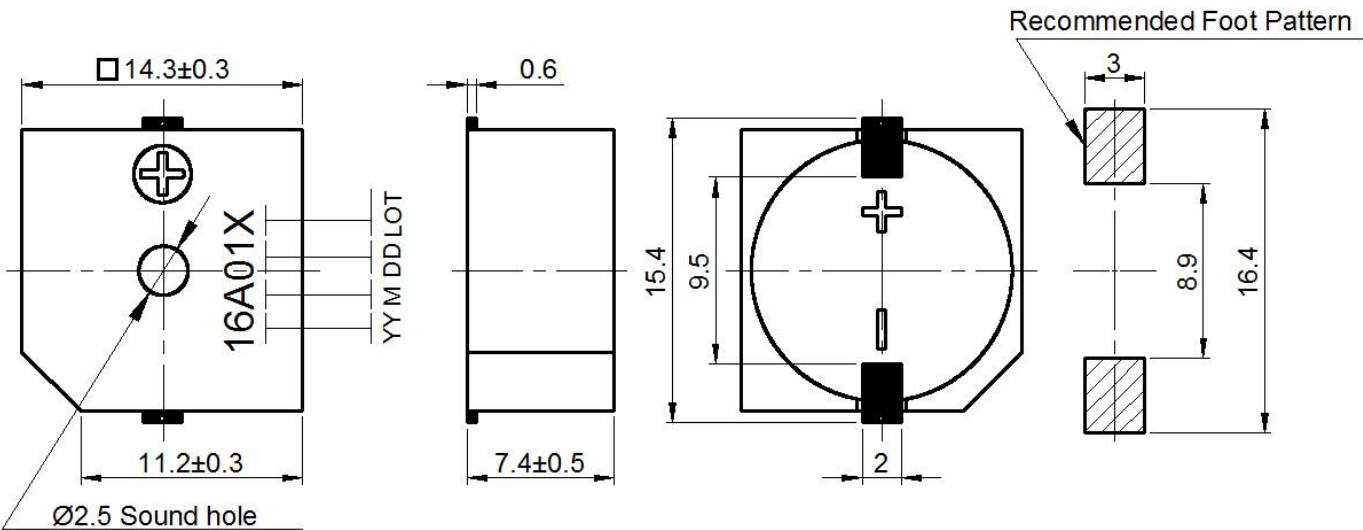
Http: www.jsxhxdz.com

SPECIFICATION 规格

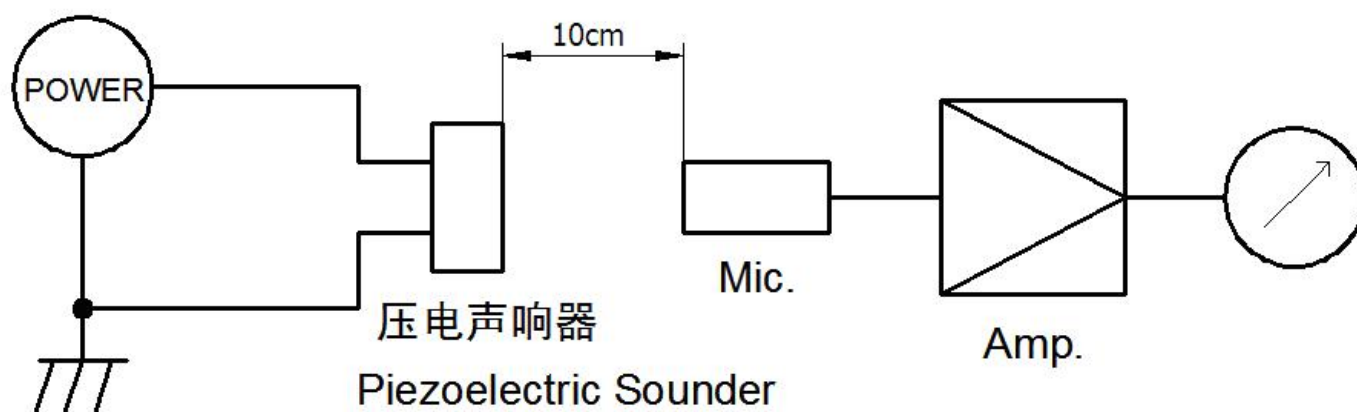
No.	Technical terms	Value
1	Rated Voltage (VDC)	5
2	Operating Voltage(VDC)	3~14
3	*Rated Current (mA)	≤5
4	*Sound Output at 10cm(dB)	≥80
5	*Resonance Frequency(kHz)	4.0±0.5
6	Tone	Continuous
7	Operating Temperature(°C)	-40~+85
8	Storage Temperature(°C)	-40~+90
9	Weight (g)	1.7
10	Housing Material	LCP
11	RoHS	Yes
Remark: The special requirements in the test for no anti reverse connection。		

*Value applying at rated voltage (DC).
Test Basic State: Temp(20±2℃),Humidity(40~70%RH),Air pressure(860~1060hPa).

APPEARANCE DRAWING 尺寸图



TESTING METHOD 测量方式



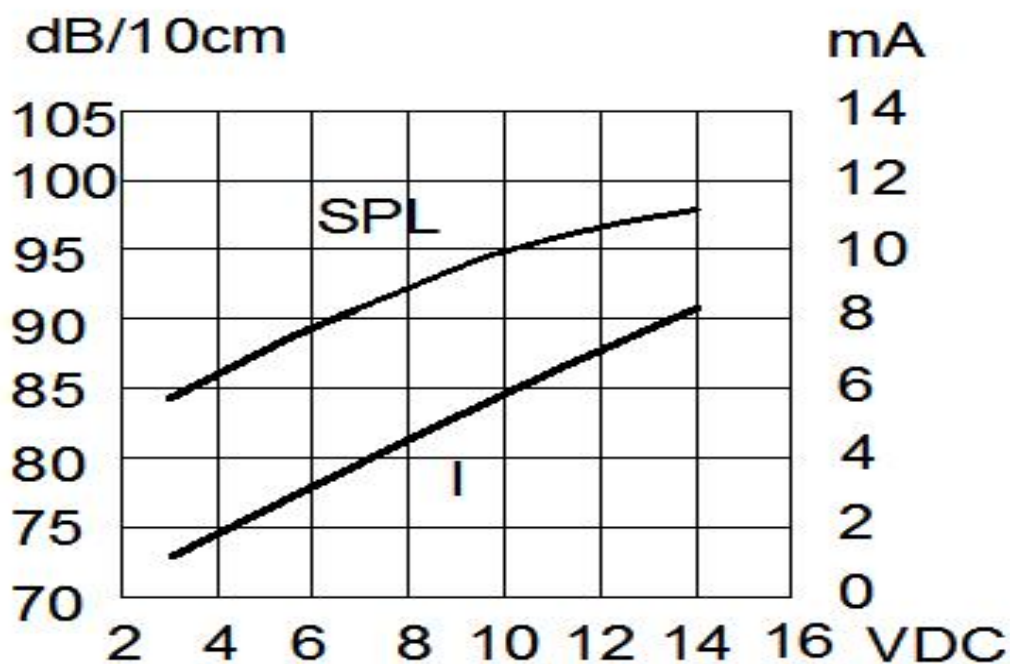
MIC: ND10 普通声级计或等同品

MIC: ND10 Sound Meter or equivalent

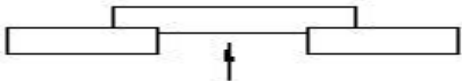
稳压电源: QJ6003S或等同品

DC Power Supply: QJ6003S or equivalent

SPL & Current Consumption vs. Input Voltage

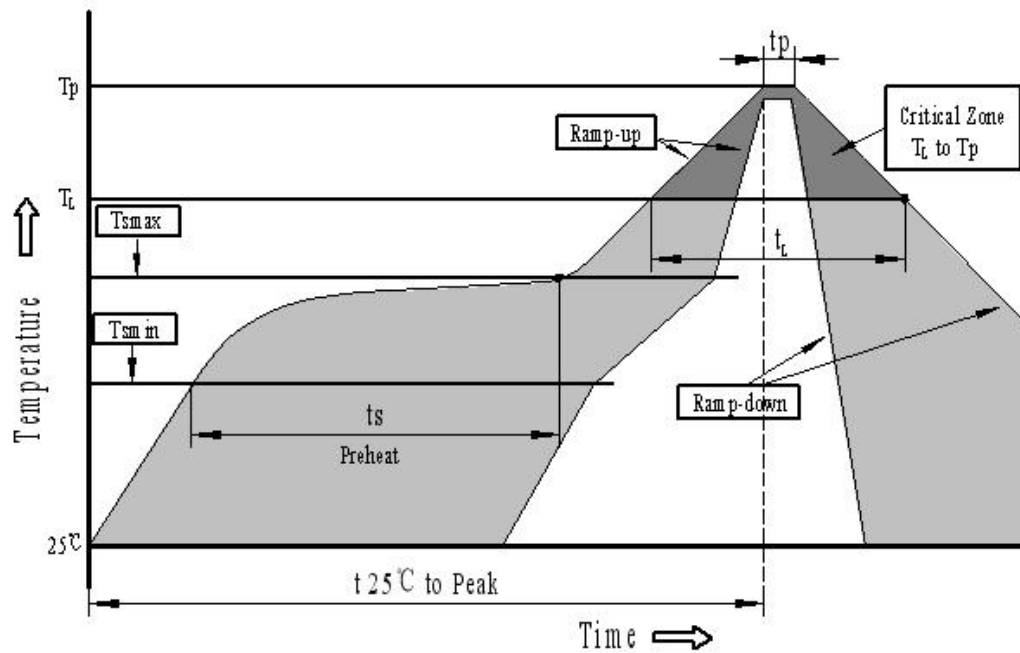


RELIABILITYTEST 可靠性测试

No.	Item	Test condition	Variance after test
1	High temp. storage	The part shall be capable of withstanding a storage temperature is +90°C for 120 hours	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	Low temp. storage	The part shall be capable of withstanding a storage temperature is -40°C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -40±2°C, 30 minutes 20±5°C 15 minutes 90±2°C, 30 minutes 20±5°C 15 minutes	
4	Humidity Test	40±2°C, 90~95% RH, 120 hours	
5	Vibration Test	To-and-fro. sweep time (from 10 to 55 Hz and then 55 to 10Hz) under single amplitude of 1.52mm is 1 minute. The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	The SPL shall meet specification.
6	Shock	Sounder shall be measured after being applied shock (980m/s ²) for each three mutually perpendicular directions to each of 3 times by half sine wave.	After the test, the product shall meet specifications,except the SPL should be in ±10dB compared with initial one.
7	Drop Test	The part only shall be dropped from the height of 70cm onto 10mm thick wooden board each 3 times in 3 axial directions(x,y&z) (a total of 9 times).	
8	Lead pull	The part shall be pushed with a force of 9.8N for 10±1 seconds behind the part. 	After the test part shall meet specifications without any degradation in appearance and performance.
9	Recommend d temp. Profile for Reflow Oven	Shown in Fig.1	The SPL shall meet specification.

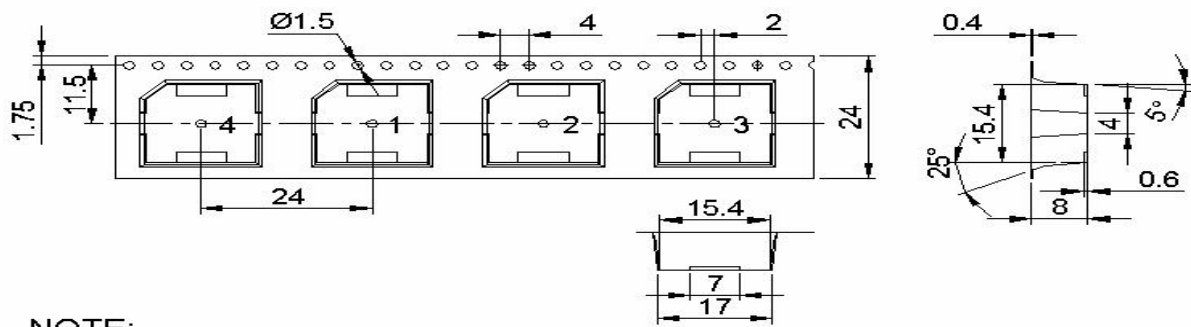
Warranty: For a period of six months from date of manufacturer under normal operations.

Recommended Temp. Profile for Reflow Oven (Fig.1)



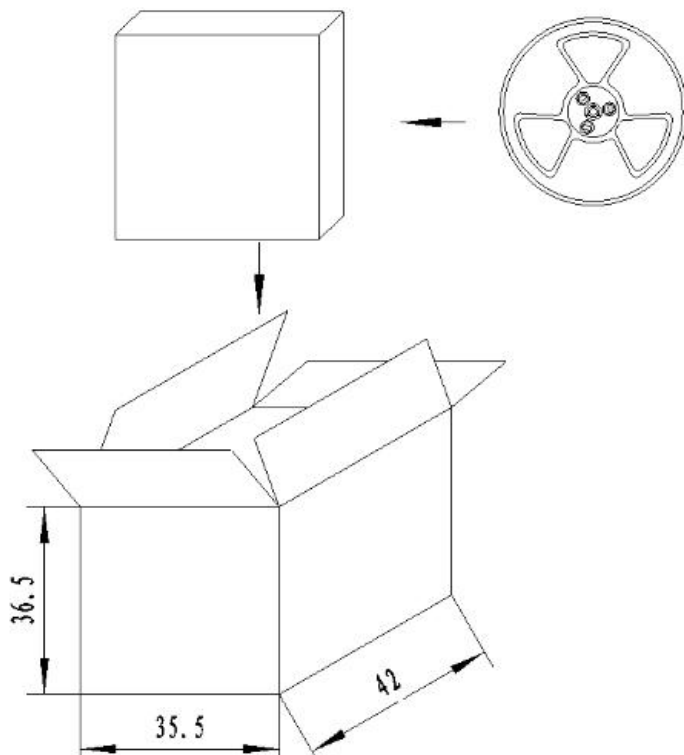
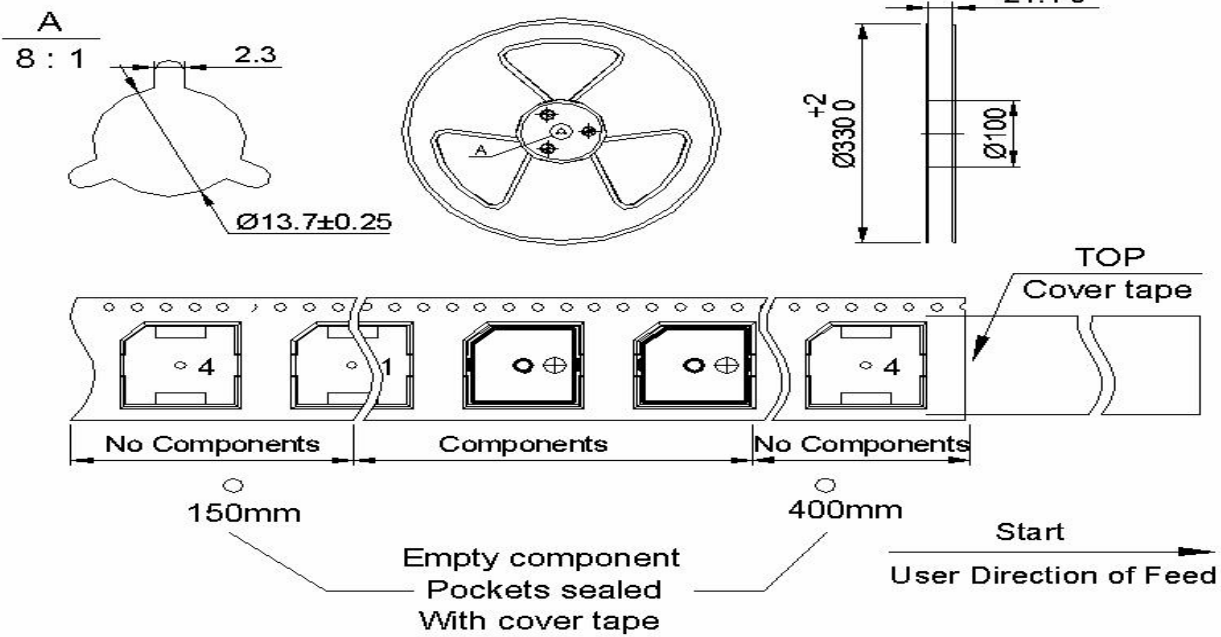
Profile Feature	Pb-Free Assembly
Average ramp-up rate(T _L to T _p)	3°C/second max.
Preheat	
-Temperature Min.(T _{smin})	150°C
-Temperature Min.(T _{smax})	200°C
-Temperature Min.(ts)	60~180 seconds
T _{smax} to T _L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
- Temperature(T _L)	217°C
-Time(t _L)	60~150 seconds
Peak temperature(T _p)	245°C+0/-5°C
Time within 5°C of actual Peak temperature (tp)	6 seconds max.
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.
We suggest the customer do the reflow soldering once.	

PACKINGSTANDARD 包装



NOTE:

1. 10 sprocket hole pitch cumulative tolerance $\pm 0.2\text{mm}$.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: $0.4 \pm 0.05\text{mm}$.
4. Component loaded per 13" reel: 300 pcs.



NOTES:

1. 300 PCS per box
2. Total 10 boxes per carton
3. Total 3000 PCS carton
4. Volum: $42 \times 35.5 \times 36.5\text{cm}$