

規格承認書

PECIFICATION FOR APPROVAL

客 戸

CUSTOMER : _____

項 目

ITEM : 压电式无源蜂鸣器（外部驱动）

型 號

TYPE : GPC9242YB-5V6000

描述

DESCRIPTION : 9.2 x 4.2 MM 3-30V 6000Hz 7000±30% ≤75DB PPO 材质 P=4.6MM

客戶料號

CUSTOMER NO. : C1121911

規格書號

SPECIFICATION NO.: _____

版 本

EDITION NO. : V1.0

日 期

DATE : _____

客戶承認

CUSTOMER CONFIRM AND SIGN

檢 查 TESTED BY	審 核 CHECKED BY	承 認 APPROVED BY

東莞市贏海電子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

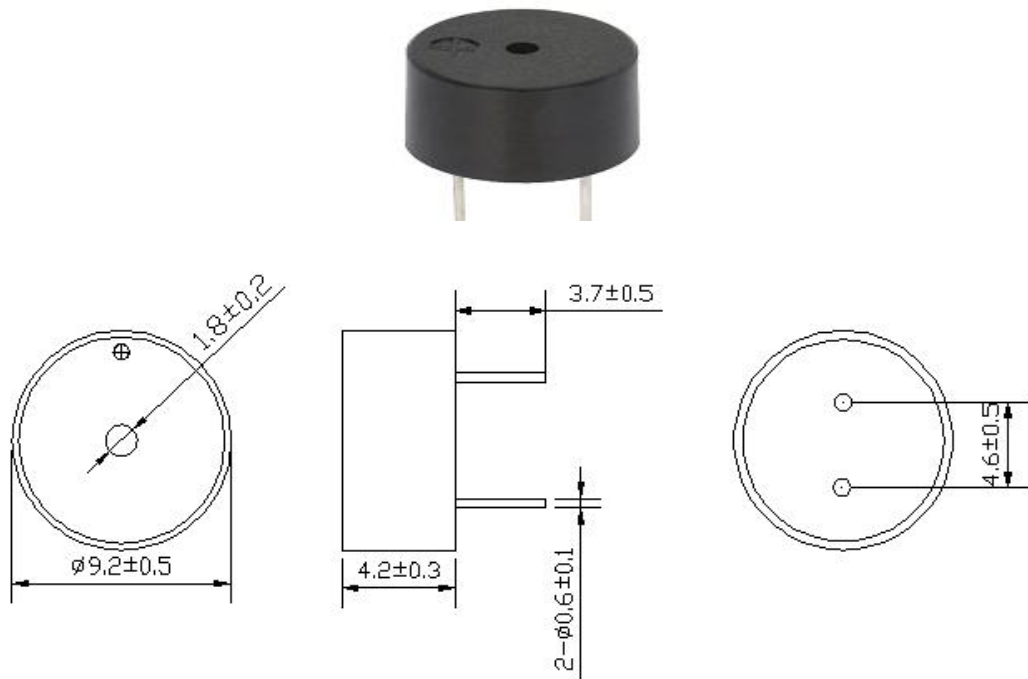
製 作 ISSUED BY	審 查 CHECKED BY	確 認 APPROVED BY
刘波	刘承成	李海飞

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DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GPC9242YB-5V6000

DIMENSIONS Unit:mm



A: SPECIFICATIONS

Customer:		Part No:	
Product: Piezoelectric Buzzers		A&T Part No:	
Technical Terms			
Resonant Frequency (KHZ)		6.0±0.5	
Rated Voltage (V _{P-P})		5	
Operating Voltage (V _{P-P})		1~30	
Max. Current Consumption at Rated Voltage (mA)		30	
Capacitance at 1000Hz (Pf)		7000±30%	
Min. Sound Output at 10cm at Rated Voltage (dB)		≥70	
Operating Temperature (°C)		-20~+105	
Storage Temperature (°C)		-30~+105	
Housing Material		PBT(Black)	
Environmental Protection Regulation		RoHS	
Buzzer	Soldering Parameter		
Soldering process	Temp.(°C)	Time(Sec.)	Times

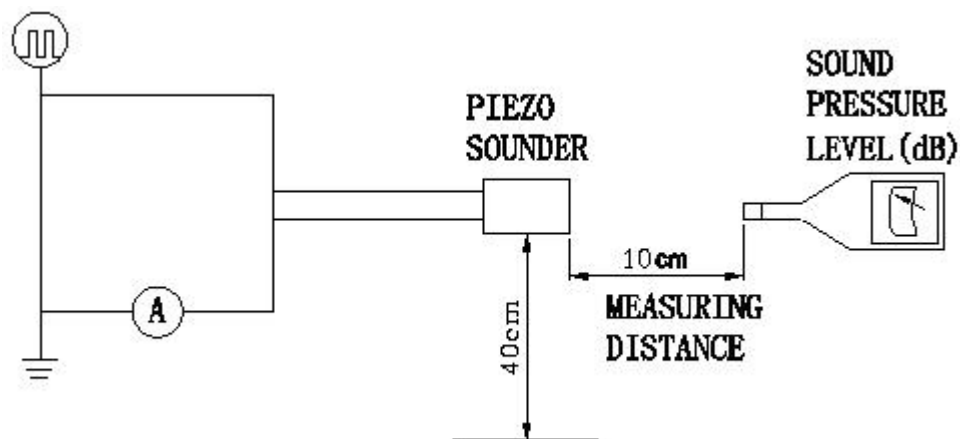
Inclusive Lead		Reflow soldering	230±10	above 170°C time 40~70	2
		Wave soldering	245±5	3~6	1~2
		Manual soldering	330±10	1~2	1~2
Lead Free		Reflow soldering	245±15	above 180°C time 40~70	3
	★	Wave soldering	260±5	4~8	2~3
	★	Manual soldering	350±10	1~3	2~3

Measuring condition

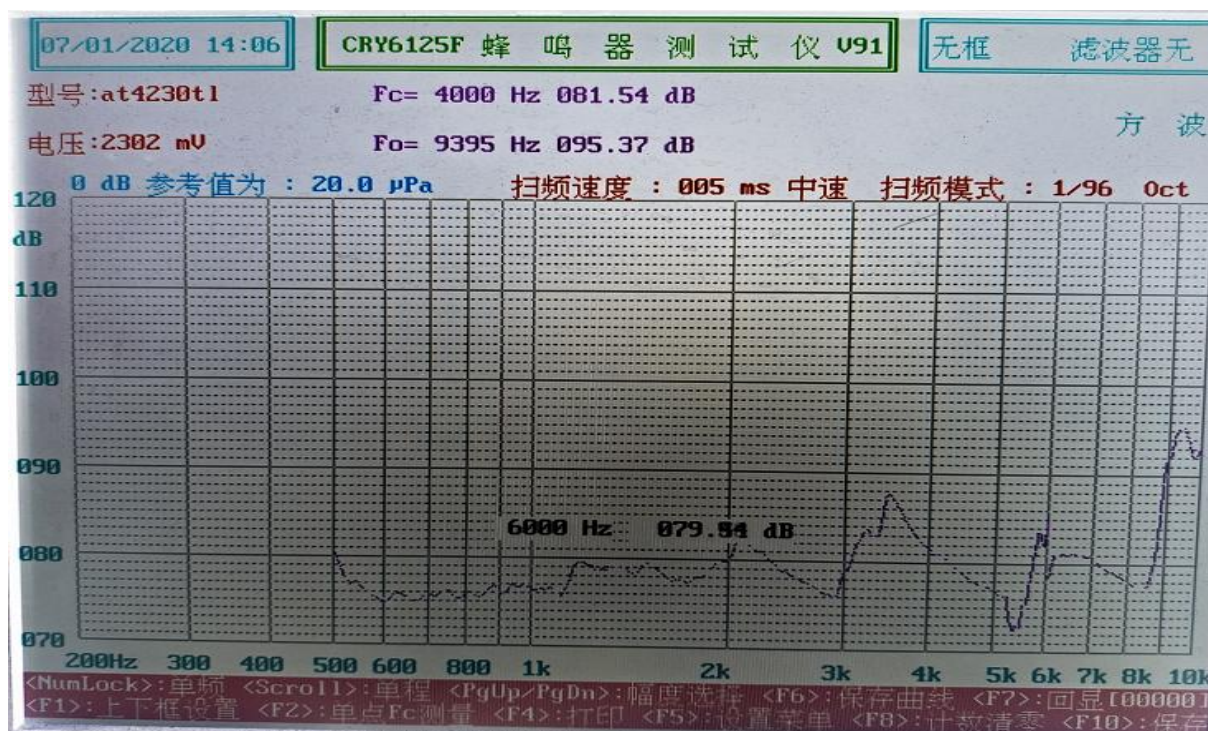
Part shall be measured under a condition (Temperature: 5~35°C, Humidity: 45%~85%R.H., Atmospheric pressure: 860 ~1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~1060hPa) is regulated to measure.

B: Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



C: Typical Frequency Response Curve



D: 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

1. Ordinary Temperature Life Test

The part shall be subjected to 96 hours at $25 \pm 10^\circ\text{C}$. Input rated voltage
Resonant frequency, 1/2 duty Square wave.

2. High Temperature Test

The part shall be capable of with standing a storage temperature of $+80^\circ\text{C}$ for 96 hours.

3. Low Temperature Test

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

4. Humidity Test

Temperature: $+40^\circ\text{C} \pm 3^\circ\text{C}$ Relative Humidity: 90%~95% Duration: 48 hours
and expose to room temperature for 6 hours

5. Temperature Shock Test

Temperature: 70°C /1hour \rightarrow 25°C /3hours \rightarrow -30°C /1hour \rightarrow 25°C /3hours (1cycle)
Total cycle: 10 cycles

6. Drop Test

Standard Packaging From 120mm(Drop on hard wood or board of 5cm thick,
three sides, six plain.)

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.