

# 規格承認書

## PECIFICATION FOR APPROVAL

客戶  
CUSTOMER : 通用型規格書 电压范围 3-24V  
項目  
ITEM : 压电有源蜂鸣器 (内含驱动电路)  
型號  
TYPE : GPD2416YB-3-24V3500  
描述  
DESCRIPTION : 23.5 x 16 MM 3500Hz 3-24V >=90DB PBT 材质 P=15MM  
客戶料號  
CUSTOMER NO. :  
規格書號  
SPECIFICATION NO.:  
版本  
EDITION NO. : V1.0  
日期  
DATE : 20

### 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 INGHAİ ELECTRONICS CO.,LTD

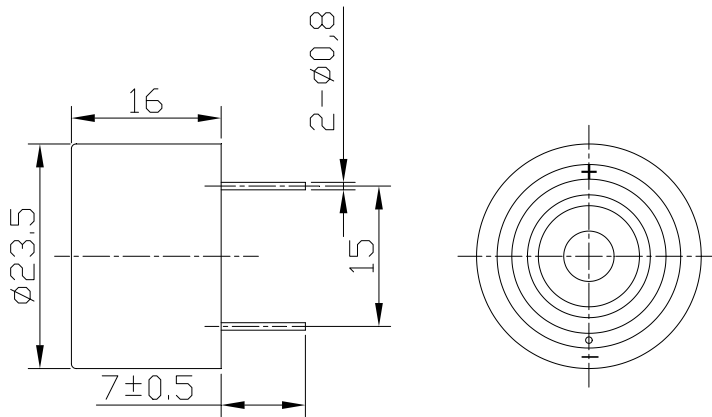
製作 ISSUED BY	審查 CHECKED BY	確認 APPROVED BY
周明		

地址：廣東省東莞市長安鎮上沙管理區北橫路 8 號  
電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993  
網址: HTTP://WWW.INGHAİ.COM

# DONGGUAN INGHAI ELECTRONICS CO.,LTD

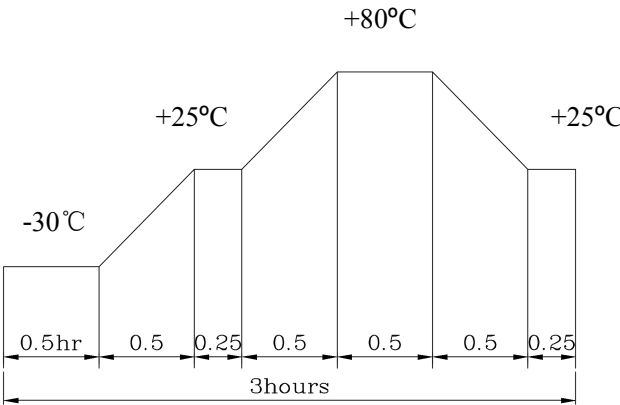
**Model NO:** GPD2416YB-3-24V3500

**DIMENSIONS** Unit:mm    Tolerance:  $\pm 0.5$



## SPECIFICATIONS

Model NO	GPD2416YB
Rated Voltage	3-24VDC
Operating Voltage	3-28VDC
Max.Rated Current	Max.15mA
sound Pressure level(dB/min)at10cm	Min.90dB
Resonant Frequency	$3500 \pm 500$ Hz
Operating Temperature	-20 °C~+75 °C
Storage Temperature	-30 °C~+85 °C

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with $80 \pm 2^\circ\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
2	Low Temperature Test (Storage)	After being Placed in a chamber with $-30 \pm 2^\circ\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
3	Humidity Test	After being Placed in a chamber with 80-85% R.H. at $40 \pm 2^\circ\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
4	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of:  <p>The diagram shows a temperature cycle profile over a 3-hour period. It starts at <math>-30^\circ\text{C}</math> for 0.5 hours, then ramps up to <math>+25^\circ\text{C}</math> in 0.5 hours, holds at <math>+25^\circ\text{C}</math> for 0.25 hours, ramps up to <math>+80^\circ\text{C}</math> in 0.5 hours, holds at <math>+80^\circ\text{C}</math> for 0.5 hours, ramps down to <math>+25^\circ\text{C}</math> in 0.5 hours, holds at <math>+25^\circ\text{C}</math> for 0.25 hours, and finally ramps down to <math>-30^\circ\text{C}</math> in 0.5 hours. The total cycle time is 3 hours.</p> Allowable variation of SPL after test: $\pm 10\text{dB}$ .
5	Solderability Test	Lead terminals are immersed in rosin for 3 seconds and then immersed in solder bath of $+320 \pm 10^\circ\text{C}$ for 3 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
6	Terminal Strength Pulling Test	The force of 5N is applied to each terminal in axial direction for 5 seconds. No visible damage and cutting off.

#### TEST CONDITION.

Standard Test Condition	:	a) Temperature : $+5 \sim +35^\circ\text{C}$	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : $+5 \sim +35^\circ\text{C}$	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : $+25 \pm 2^\circ\text{C}$	b) Humidity : 60-70%	c) Pressure 860-1060mbar
争议时测试条件	:	a) 温度 : $+25 \pm 2^\circ\text{C}$	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar