



SPECIFICATION FOR APPROVAL

承 认 书

Description : 蜂鸣器 Buzzer

Vender's Part No. : Cy-2316P-1232

Cstomer name : _____

Supplier name : 常州超音电子有限公司

Version No. : 1.1

CUSTOMER'S APPROVED SIGNATURE		

CHANGZHOU CHAOYIN ELECTRONIC CO., LTD
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Approved By	Checked By	Made By
		Nong 2013/10/10

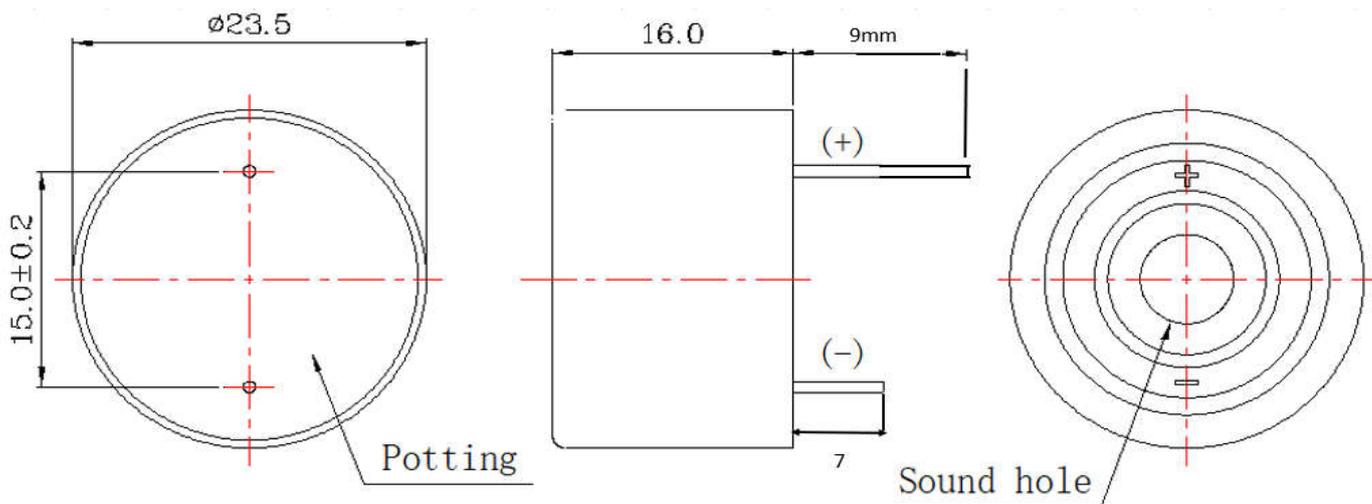
A. SCOPE

This specification applies Piezoelectric type buzzer, **Cy-2316P-1232**

B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	3.2 ± 0.3	
2	Operating Voltage	V _{DC}	3-18	
3	Rated Voltage	V _{DC}	12	
4	Current Consumption	mA	MAX. ≤ 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN.95	at 30CM at Rated Voltage
6	Operating Temperature	°C	-30~ +80	
7	Storage Temperature	°C	-40 ~ +95	
8	Dimension	mm	$\Phi 23^* H16$	See appearance drawing
9	Weight (MAX)	gram	5	
10	Housing Material		PBT(Black)	
11	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
12	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING Tol : ± 0.5 Unit: mm



D. RELIABILITY TEST

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of :</p> <p>The diagram shows a temperature cycle profile over a 3-hour period. It starts at -30°C for 0.5 hours, ramps up to +25°C in 0.5 hours, dwells at +25°C for 0.25 hours, ramps up to +80°C in 0.5 hours, dwells at +80°C for 0.5 hours, ramps down to +25°C in 0.5 hours, dwells at +25°C for 0.25 hours, and finally ramps down to -30°C in 0.5 hours. The total cycle duration is 3 hours.</p> <p>Allowable variation of SPL after test: ±10dB.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: ±10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: ±10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5°C for 3±1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

TEST CONDITION.

Standard Test Condition	:	a) Temperature : +5 ~ +35°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : +5 ~ +35°C	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : +25 ± 2°C	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar