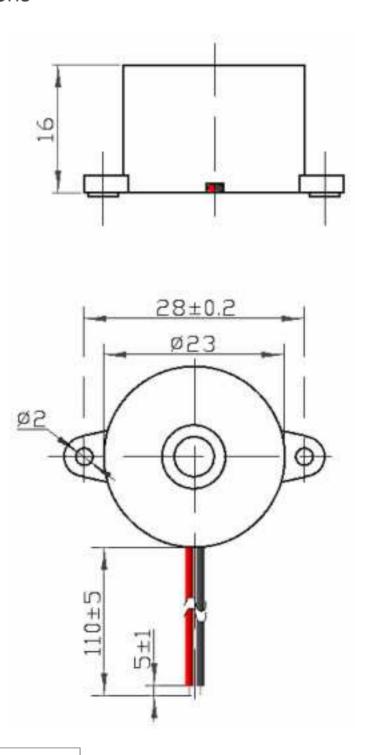
Specification for Piezo Buzzer		Page	9/9		
Model No. : KWI-2316E12L-2E		NI 2316E12L 2E	Revision No.	1.0	
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1.0	2009.11.02	/	primary		

Specification for Piezo Buzzer	Page	8/9
•	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OFM1205317

7. Dimensions







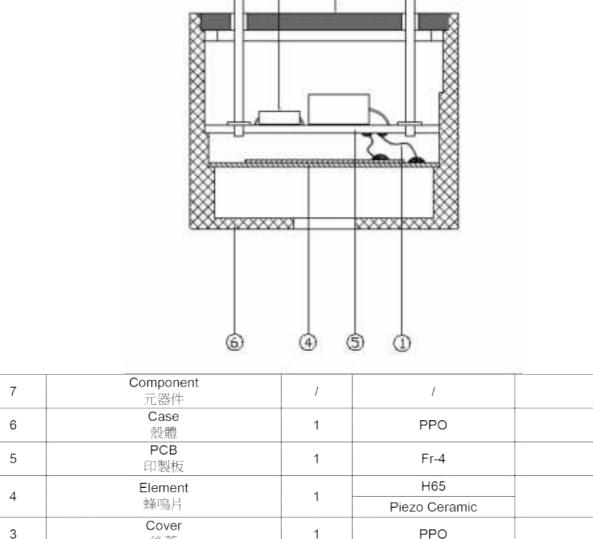


UNIT : mm Tolerance : ±0.5

Specification for Piezo Buzzer	Page	8/9
	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317
6. Structure		
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П		
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Page

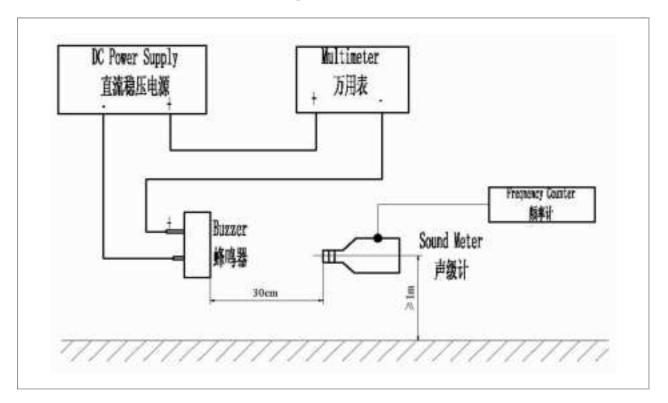
8/9



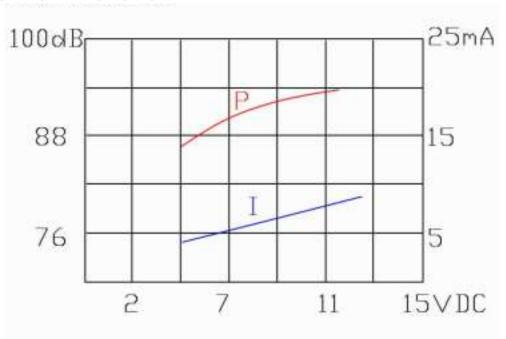
	6	4 (5 0	
7	Component 元器件	1	/	
6	Case 設體	1	PPO	
5	PCB 印製板	1	Fr-4	
4	Element	1	H65	
4	蜂鳴片	'	Piezo Ceramic	
3	Cover 後蓋	1	PPO	
2	Pin 插針	2	H62	
1	Wire 引線	2	/	
No.	Part Name 型號	Q'TY	Material 材質	Remark 備註

Specification for Piezo Buzzer	Page	6/9
	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317

5. Measurement Block Diagram & Response curve



FREQUENCY RESPONSE:



Revision No. 1.0	Specification for Piezo Buzzer	Page	5/9
1010 00105101 05		Revision No.	1.0
Model No. : KWI-2316E12L-2E Drawing No. OEM1205317	Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317

4. Reliability Test

	Item	Specification
5	Vibration Resistance 振動試驗	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to30Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour. 振幅為1.5mm,頻率為10~30Hz,三個不同軸方向各振動2小時,試驗後進行測量.
6	Drop Test 跌落試驗	Sounder packed in the carton are dropped in six direction from the height of 80cm to the concrete floor. 跌落高度80cm,6 個不同方向整箱跌落到水泥地,試驗後進行測量.
7	Solderability 可焊性試驗	Lead terminals are immersed in rosin for 5 seconds and the immersed in solder bath of +260± 5° C for 3± 0.5 seconds. 插針浸入松香5秒,然後再浸入+260± 5° C的錫爐中3± 0.5秒,插針表面應覆蓋一層光滑明亮的焊料.
8	Terminal Strength Pulling 插針強度試驗	The force 10 seconds of 9.8N is applied go each terminal in axial direction. 插針應承受9.8N拉力,拉力時間10秒,插針無鬆動和脫落現象.

Specification for Piezo Buzzer	Page	4/9
·	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317

4. Reliability Test

After test(1~7item), the transducr S.P.L . difference shall be within \pm 10dB, and the appearance not exist any change to be harmful to normal operation(e.g. cracks,rusts,damages and especially distortion).

在1-7項試驗後,聲響器的聲壓變化值在±10dB之內,外觀無變化(例如:開裂、生銹、損傷、變形等現象).

	Item	Specification
1	High Temperature Test 高溫試驗	After being woked in a chamber with +80± 2℃ for 24h and then being placed in natural condition for 4h, sounder shall be measured. 将產品置於+80± 2℃試驗箱中,先工作 24小時,然後在正常大氣壓條件下恢復4小時後,進行測量
2	Low Temperature Test 低溫試驗	First being worked in a chamber with -30± 2℃ for 24h and then being placed in a chamber with -30± 2℃ for 16h, finally being placed in natural condtion for 4h, sounder shall be measured. 將產品置於-30± 2℃試驗箱中,先工作 24小時,再放置16小時,然後在正常大氣壓條件下恢復4小時後,進行測量
3	Humidity Test 潮濕試驗	After being placed in a chamber with 90 to 95%R.H. at +40± 2 ℃ for 24 h and then being placed in natural condition for 4h, sounder shall be measured. 將產品置於濕度為90~95%R.H,溫度為+40±2℃ 試驗箱中 24 小時,然後在正常大氣壓條件下恢復4小時後,進行測量
4	Thermal Shock Test 熱衝擊試驗	After being worked in a chamber at +80 ℃ for 1 hour, then sounder shall be placed in a chamber at -30℃ for 1 hour(1 cycle is the below diagram). After 5 above cycles, sounder shall be measured after being placed in natural condition for 1 hour. Nature Natur

Specification for Piezo Buzzer	Page	3/9
<u> </u>	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317

1. Scope

This product specification is applied to the piezoelectric sounder in alarm systems. Please contact us when using this product for any other applications than described in the above. 本規格書適用於壓電式聲響器,通常它用在系統中做報警或提示的聲響器用,如果將該產品用於其他領域,請與我們取得聯繫。

2. General

2.1 Out-Diameter : Ø23.5 mm

外徑: Ø 23.5 mm 2.2 Height : 16.0 mm

高度:16.0 mm 2.3 Weight :8.0 g 重量:8.0 克

2.4 Operating Temperature range : -20 ~ +60 ° € without loss of function

工作温度:-20~+60℃

2.5 Store Temperature range : -30 ~ +80 ° C without loss of function

儲藏溫度:-30~+80℃

3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 $^{\circ}$ C , 25% ~ 85% RH, 860~1060 mbar 測試條件 : 15~35 $^{\circ}$ C , 25% ~ 85% RH , 860~1060mbar

	Items 項目	Specification 規格
1	Rated Voltage 額定電壓	12VDC
2	Max. Allowable Voltage 最大輸入電壓	8~15.0VDC
3	Rated Current(Max) 最大消耗功率	20mA at 3.3KHz/12VDC
4	Tone Nature 音調	Continuous
5	Resonant Frequency 諧長頻率	3.3± 0.5KHz
6	Min.Sound Pressure Level 額定聲壓	90dB / 12Vp-p Square Wave/30cm
7	Case Material/Color 殼體材質/顏色	PPO/BLACK

Specification for Piezo Buzzer	Page	2/9
·	Revision No.	1.0
Model No. : KWI-2316E12L-2E	Drawing No.	OEM1205317

CONTENTS

1. Scope

範圍

2. General

概要

3. Electrical and Acoustic Characteristics.

電聲參數

4. Reliability Test

可靠度測試

5. Measurement Block Diagram & Response curve

測試圖 & 曲線圖

6. Structure

結構圖

7. Dimensions

尺寸

8. Revision

版本

SPECIFICATION

Customer:

Applied To:

Product Name: Piezo Buzzer

Model Name: KWI-2316E12L-2E

Drawing No.: OEM1205317

Green Level : □ Sn-Pb ■RoHS □ RoHS and HF