



SPECIFICATION FOR PIEZO ELECTRIC BUZZER

TOTAL PAGE

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RoHS

Customer		Model Name	BPT3012H5.5W065P-01 LF
Customer P/N		Product No.	032720
Date	20 Nov 14	Issue No.	BS/TEP01.1006A
Page	01 of 06	Issue Date	2014/11/20

Approval:

- 1.Description
- 2.Dimension
- 3.Reliability Test
- 4.Packing
- 5.Notice
- 6.History change record

Drawn by	Checked by	Approved by	Customer approved

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BPT3012H5.5W065P-01 LF



1.Description

1.1 The specification relates to the piezoelectric sounder intended to be used in alarm systems. Please contact us before using any of the products in the applications not described above.

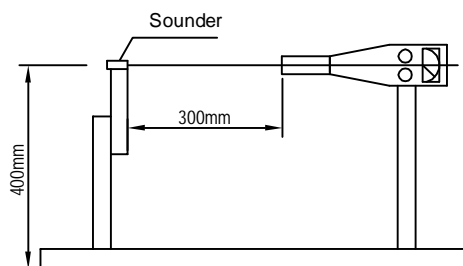
1.2 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage (Square wave)	12Vp-p
2.	Operating Voltage	1...30Vp-p
3.	a)Rated Current	max.5mA
4.	Capacitance at 120Hz	25000pF \pm 30%
5.	a)Sound Output at 30cm,2.5KHz	min.75dB
6.	a)Resonant Frequency	2500 \pm 500Hz
7.	Operating Temperature	-40...+80° C
8.	Storage Temperature	-40...+85° C
a)Value applying at rated voltage(2500Hz 1/2duty square wave,12Vp-p)		

1.3 Test method:

Standard test Fixture

No reaction in space with in 400mm in all direction



				Date:	2014/11/20	BPT3012H5.5W065P-01 LF	
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				Checked by:	赵 峰	Piezo Buzzer	
				Approved by:	徐金国		
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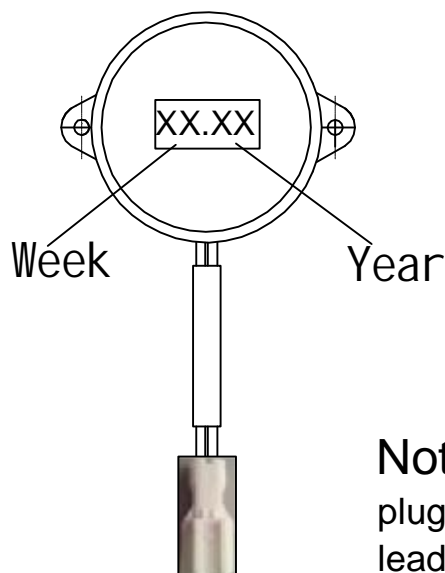
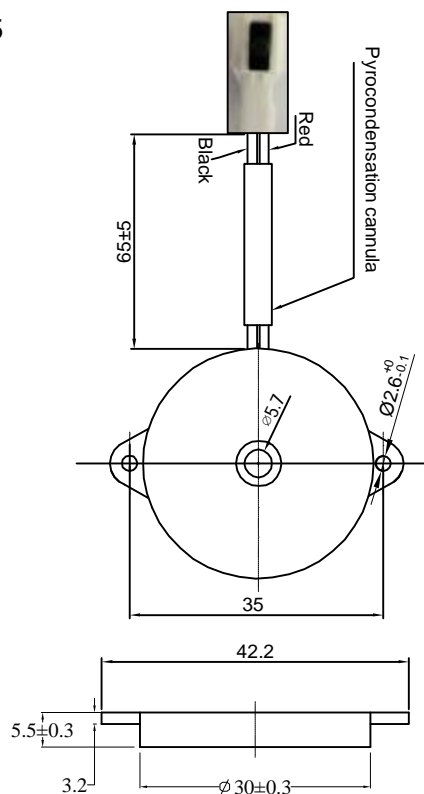
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2. Dimension

Tolerance: ± 0.5

Unit:mm

蜂鸣器端子座: (白色) DJ7021Y-2-11 供应商/宁波正耀
蜂鸣器端子: DJ611-G2*0.6A 供应商/宁波正耀
车厂线束端子座: DJ7021Y-2-21 供应商/宁波正耀
车厂线束端子: DJ621-G2*0.6A 供应商/宁波正耀
锁卡: DJ7021Y-2-4 供应商/宁波正耀
密封塞: DJ7021Y-2-2 供应商/宁波正耀
定位夹: (黑色) DWJ-H14/20 供应商/宁波正耀



Note:

plug terminal pull: $\geq 40\text{N}$ lead and housing pull: $\geq 10\text{N}$

Date: 2014/11/20

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Checked by: 赵 峰

Approved by: 徐金国

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Piezo Buzzer

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3. Reliability test

3.1 High temperature test

Temperature

+85 °C

Duration

96hrs

3.2 Low temperature test

Temperature

-40 °C

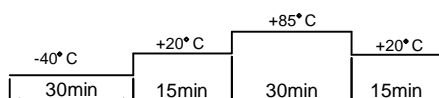
Duration

96hrs

3.3 Temperature cycle test

Cycles

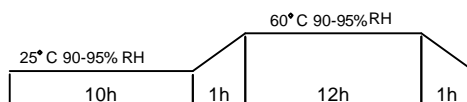
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3.4 Humidity cycle test

Cycles

5



3.5 Load Test

Power

12Vp-p

Duration

96hrs

3.6 Drop test

Height

70cm

(to 10mm thickness woodenboard)

Direction

3

Time

10

Notice: All specifications must be satisfied in this condition.

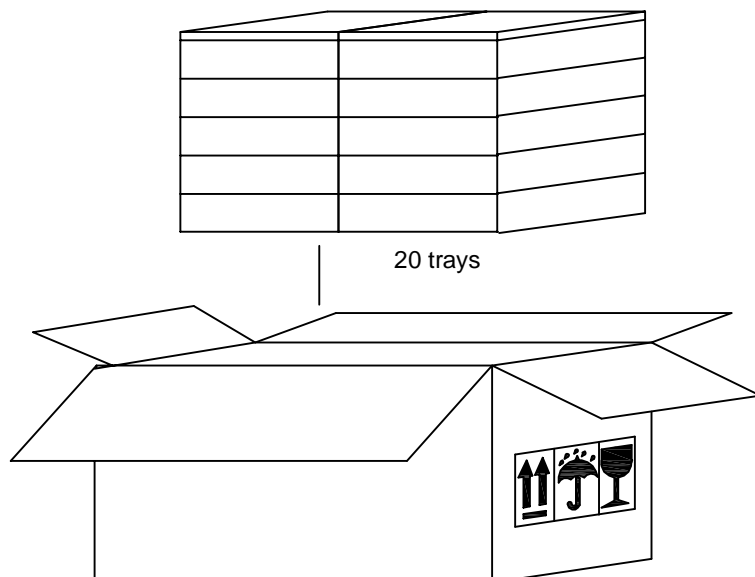
After each test, SPL±5dB, there is no any degradation in appearance

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4. Packing



Remark:
 30 pcs per tray
 20 trays per carton
 Total 600pcs per carton
 Size: 63X40X30(cm)

5. Notice

5.1 The products mustn't be washed

5.2 **Storage Condition**

The products should be stored in the room, where the temperature/humidity is stable. And avoid such places where there are large temperature changes. Please store the products at the following conditions:

Temperature: -10 to + 40°C Humidity: 15 to 85% R.H.

5.3 **Expire Date on Storage**

Expire date (Shelf life) of the products is six months after delivered under the conditions of a sealed and an unopened package. Please use the products within six months after delivered. If you store the products for a long time (more than six months), use carefully because the products may be degraded in the solderability and/or rusty. Please confirm solderability and characteristics for the products regularly.

5.4 **Notice on Product Storage**

(1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced at quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.

(2) Please use the products immediately after the package is opened, because the characteristics may be reduced at quality, and/or be degraded in the solderability due to storage under the poor condition.

(3) Please do not drop the products to avoid cracking of ceramic element.

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6. History change record

[illegible]

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