



SPECIFICATION FOR PIEZO ELECTRIC BUZZER

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RoHS

Customer		Model Name	BPT3012H5.5W150-01 LF
Customer P/N		Product No.	032710
Date	04 Sep. 09	Issue No.	BS/TEP01.653A
Page	01 of 06	Issue Date	09/09/04

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
赵峰	邱俊	李红元	

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BPT3012H5.5W150-01 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.

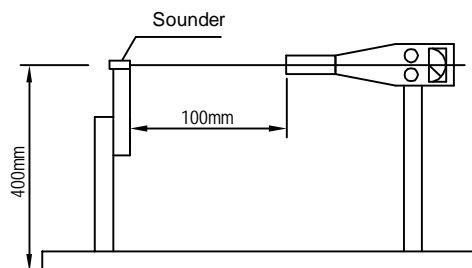
1.2 Electrical and Mechanical Characteristics

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 ± 30%
5.	a)Sound Output at 10cm,4.0KHz	min.90dB
6.	a)Resonant Frequency	4000±500Hz
7.	Operating Temperature	-40...+80 °C
8.	Storage Temperature	-40...+85 °C
a)Value applying at rated voltage(4000Hz 1/2duty square wave,12Vp-p)		

1.3 Test method:

Standard test Fixture

No reaction in space with in 400mm in all direction



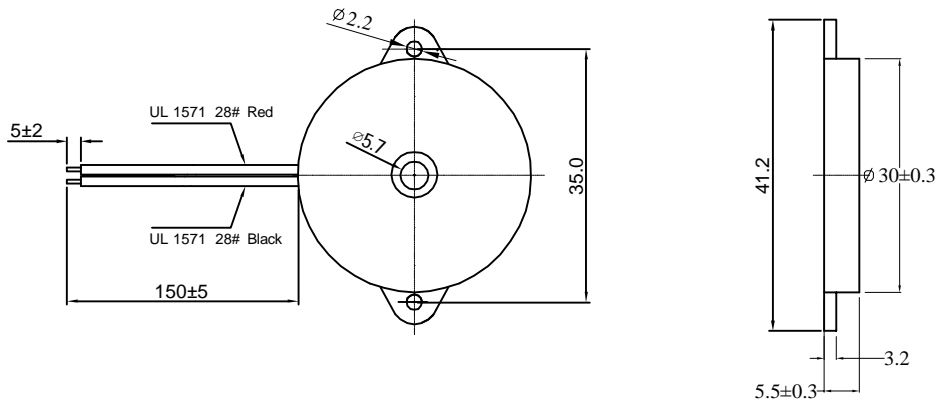
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A	09/09/04	赵 崢		Checked by:	邱 俊	Piezo Sounder
Rev.	Date	Drawn	Note	Approved by:	李红元	
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2. Dimension

Tolerance: ± 0.5
Unit: mm



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3. Reliability test

3.1 High temperature test

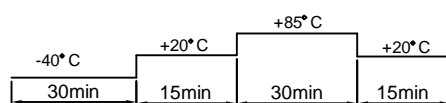
Temperature +85 ° C
Duration 96hrs

3.2 Low temperature test

Temperature -40 ° C
Duration 96hrs

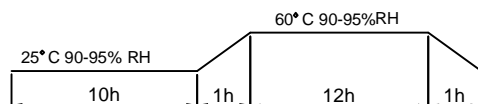
3.3 Temperature cycle test

Cycles 5



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

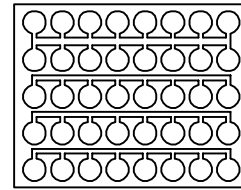
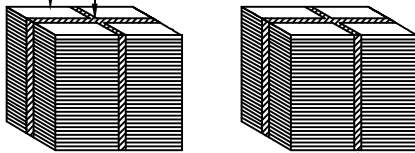
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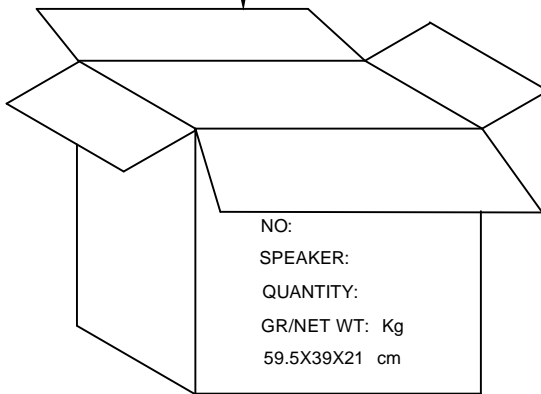
4. Packing

Cardboard
(370×287.5) adhesive tape



40pcs

15 trays per bundle
40 pcs per tray
40 × 15 = 600 pcs per bundle



Remark:
40 pcs per tray
15 pcs trays per bundle
2 bundles per carton
1200 pcs per carton
Size: 59.5X39X21(cm)

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