	SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER			
	TOTAL PAGE	06	***http://www.bestargroups.com***	RoHS

Customer		Model Name	BMT1612H14-42 LF
Customer P/N		Product No.	010363
Date	21 Apr.2014	Issue No.	BS/TET01.832A
Page	01 of 06	Issue Date	2014/04/21

Approval:

1.Characteristics
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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BMT1612H14-42LF



1.Characteristics

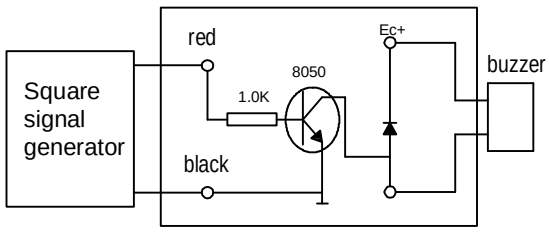
1.1Technical terms

No.	Item	Specifications
1	Operating Voltage	6...18Vo-p
2	Rated Voltage	12Vo-p
3	DC Coil Resistance at 25℃	75±8Ω
4	* Coil current at25℃	≤65mA
5	* Sound Output at 10cm	≥85dB
6	Resonant Frequency	2048Hz
7	Operating Temperature	-40...+85°C
8	Storage Temperature	-40...+85°C
9	Weight	7g
* Value applying 2048Hz,square wave 12Vo-p with 50%duty		

1.2 Test method:

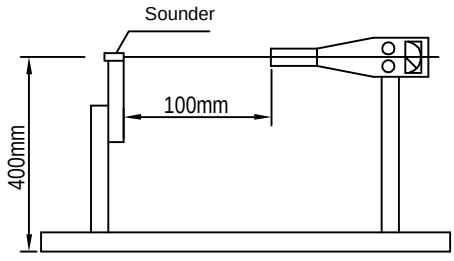
1.2.1.Recommended Circuit

the following are examples of externally driven circuits.



1.2.2.Standard text Fixture

No reaction in space with in 400mm in all direction



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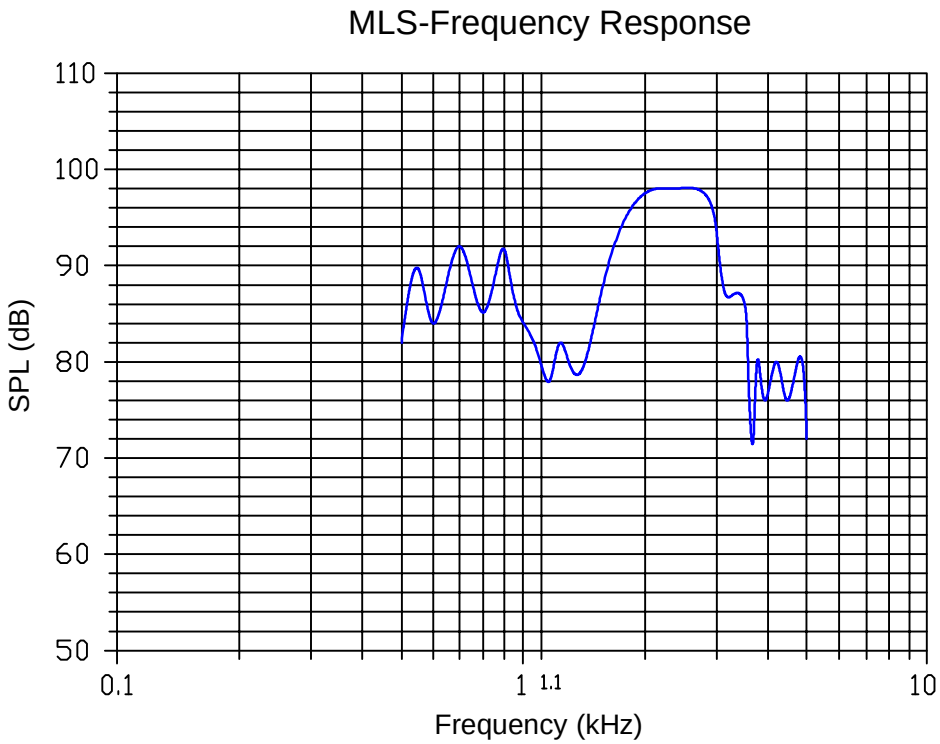
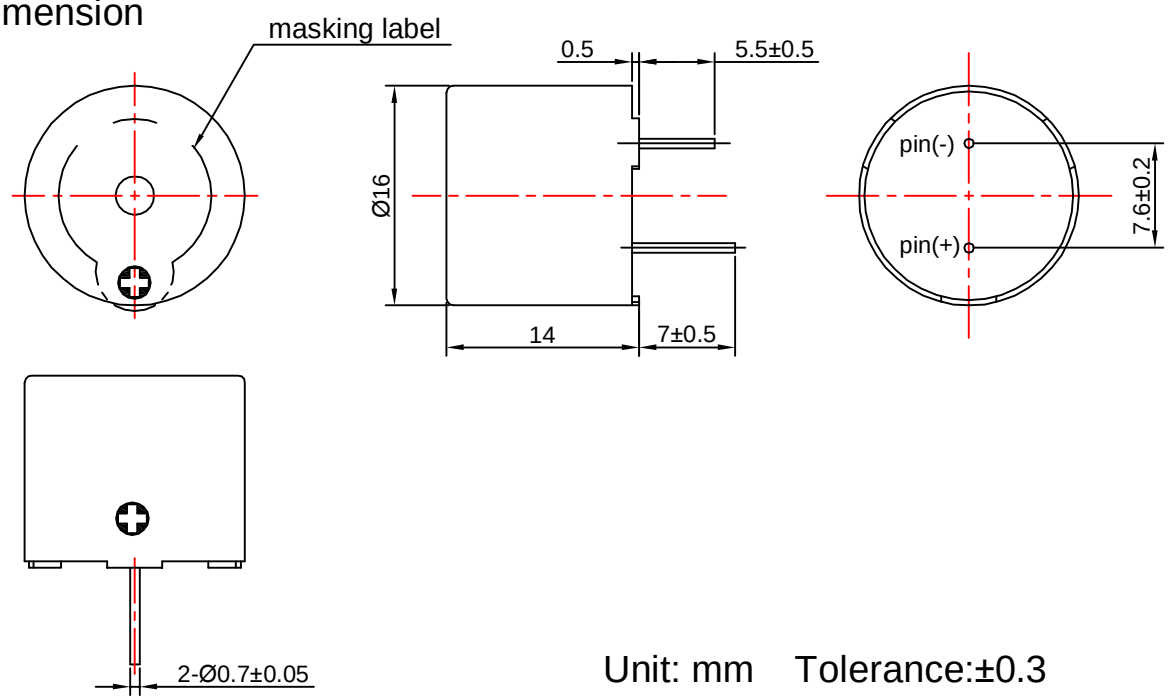
BMT1612H14-42 LF

1.3Frequency response(square wave 12Vo-p 10cm)



2.Dimension



Unit: mm Tolerance:±0.3

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Page:03 of 06

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3. Reliability test

3.1 High temperature test

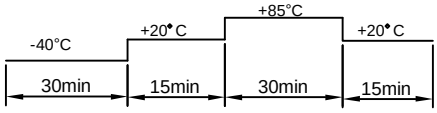
Temperature	+85 °C
Duration	96hrs

3.2 Low temperature test

Temperature	-40 °C
Duration	96hrs

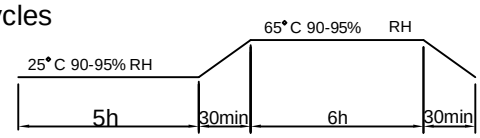
3.3 Temperature cycle test

Cycles	5



3.4 Humidity cycle test

Cycles	10



all these tests above should be measured after leaving normal temperature for 2hrs.

3.5 load test

Power	12Vo-p
Duration	1000hrs

3.6 Vibration Test

Vibration Frequency	10~55Hz
Amplitude	1.5mm
Duration x,y&z directions	30min

3.7 Drop test

Height	70cm
(to 10mm thickness woodenboard)	
Direction	3

3.8 Solderability test

Solderability temperature	255±5°C
Heat applying time	3±0.5sec

Notice: After teh test the part shall meet specifications without any degrance and performance except S.P.L,S.P.L shall be 85dB or more

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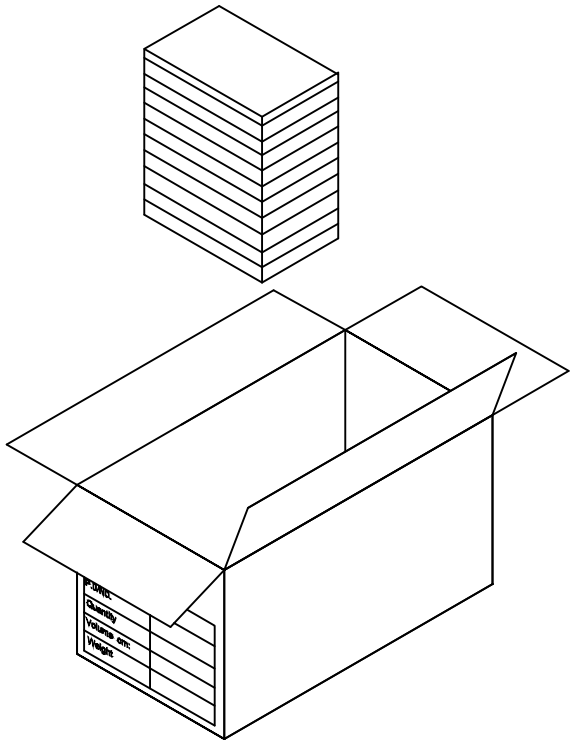
4. Packing



1)50pcs/tray
2)40trays/carton
3)2000 pcs/carton in total
4)carton size 50x28x34cm

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 suchplaces 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 deliveried under the conditions of a sealed and an unopened package. Please use the products within six months after deliveried.

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.

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6. History change record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
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