	SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER			
	TOTAL PAGE	06	www.be-star.com	RoHS

Customer		Model Name	BMT1612H14-02 LF
Customer P/N		Product No.	010303
Date	29 Oct. 10	Issue No.	BS/TET01.063C
Page	01 of 06	Issue Date	10/10/29

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
魏孝玲	徐 波	陶红仲	

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BMT1612H14-02 LF



1. Characteristics

1.1Technical terms

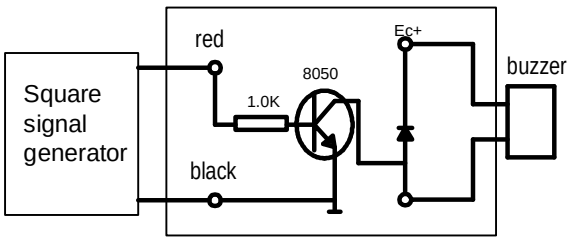
No.	Item	Specifications
1	Operating Voltage	6...18Vo-p
2	Rated Voltage	12Vo-p
3	Coil Resistance	115± 15 Ω
4	* Sound Output at 10cm	98±3dB
5	Resonant Frequency	2048Hz
6	* Rated Current	≤40mA
7	Operating Temperature	-40...+100°C
8	Storage Temperature	-40...+100°C
9	Weight	7g
* Value applying rated voltage (2048Hz, 1/2duty,square wave)		

1.2 Test method:

1.2 Standard text Fixture

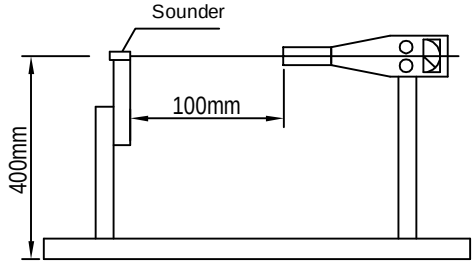
1.2.1.Recommended Circuit

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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C	10/10/29	魏奉玲	add printing	Date:	10/10/29
B	05/06/20	王善梅	tolearance,polarity	Drawn by:	魏奉玲
A	02/06/03	王善梅		Checked by:	徐 波
				Approved by:	陶红仲

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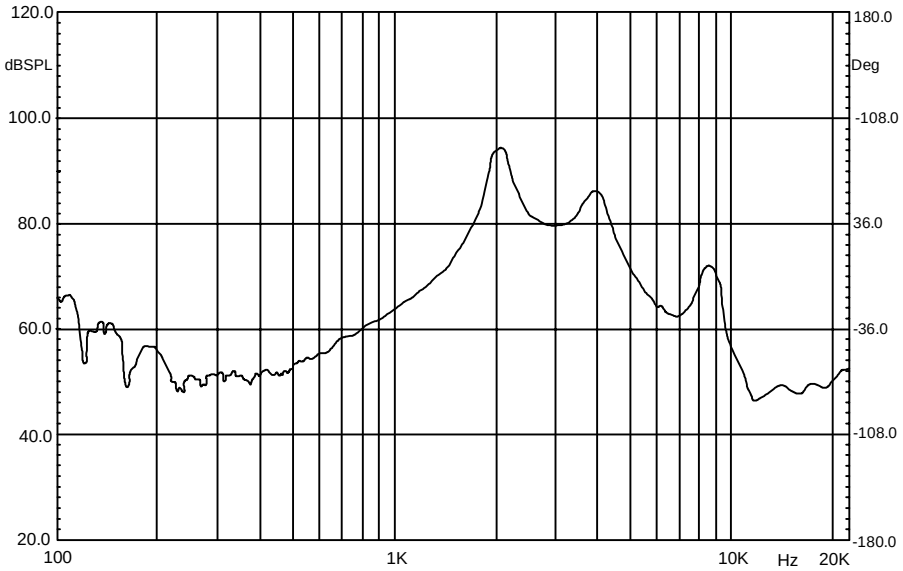
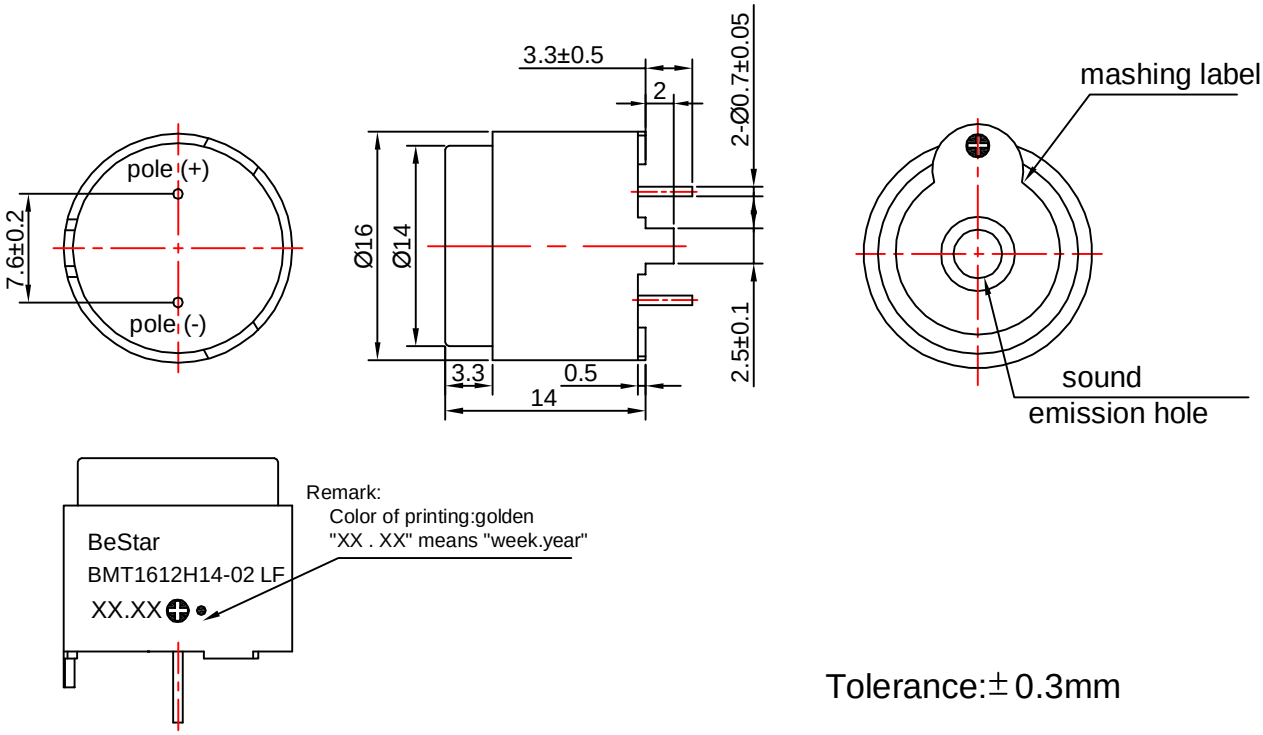
1.3Frequency response(square wave 12Vo-p 10cm)

MLS-Frequency Response



2.Dimension



Tolerance:±0.3mm

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3.Reliability Test

3.1 high temperature test

Temperature	+100 ℃
Duration	96hrs

3.2 low temperature test

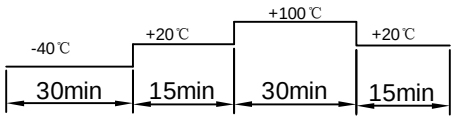
Temperature	-40 ℃
Duration	96hrs

3.3 life test in normal temperature

Power supply	rated voltage
Duration	1000hrs

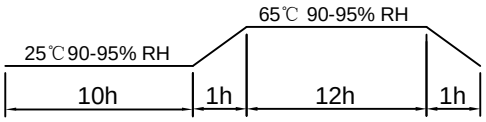
3.4 temperature cycle test

Cycles 5



3.5 Humidity cycle test

cycles 5



all these tests above should be measured after leaving normal temperature for 4hrs.

3.6 Drop test

Height	70cm(to 10mm thickness woodenboard)
Direction	x,y,z(twice for each direction, total 6 times)

3.7 Solderability test

Soldering temperature	2 55±5℃
Direction	3±0.5S

Notice: All specification must be satisfied in this condition except SPL.SPL shall be 92dB or more

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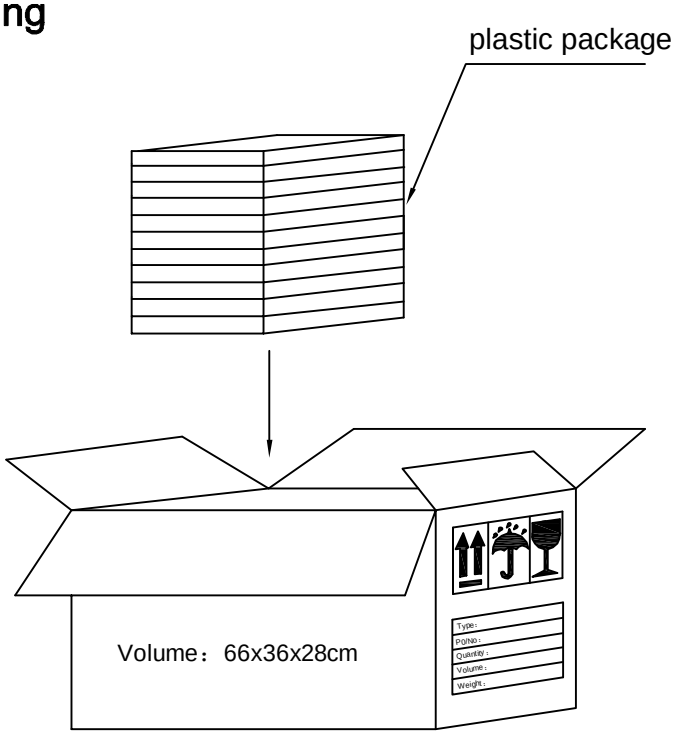
4. Packing



1)50pcs/tray
2)40trays/carton
3)2000pcs/carton in total
4)carton size 66x36x28cm

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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				Approved by:	陶红仲	

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6. History change record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			02/06/03	王善梅	郭 敏
B		tolearance，polarity	05/06/20	王善梅	郭 敏
C		add printing	10/10/29	魏奉玲	陶红仲

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