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1. General

Operating temperature: -40°C bis +85°C component weight [g]: 7
 Storage temperature: -40°C bis +85°C
 Contact: PIN
 Packageing: tray IP rating:
 ESD conform
 RoHs conform: yes
 Remark:
 Housing material MPPO+20%GF, housing color black

2. Electrical and acoustical specification

Description	Value	Tolerance
Rated voltage [V] V 0-P	12	
Operating voltage [V] V 0-P	6 -	18
Frequency [Hz]	2048	
SPL [dBA] at 10cm*	98	± 3
Current consumption [mA]	≤40mA*	
DC resistance [Ω]:	115	± 15

Remark:

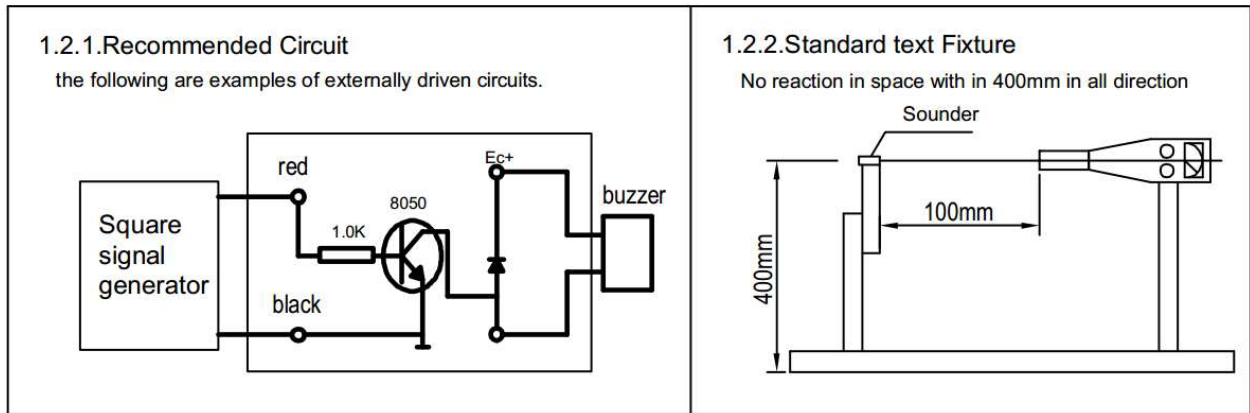
* Value applying rated voltage (2048Hz, 1/2duty,square wave)

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GREWUS		dimensions without tolerance: ± 0.3	scale:	
Designed by: M. Köllmann	11.09.2015	part number: BME 1612P-08A	index:	Last update:
Released by: M. Köllmann	11.09.2015		A	20.10.2017
drawing number: 422583938		Buzzer	Page 1 of 6	

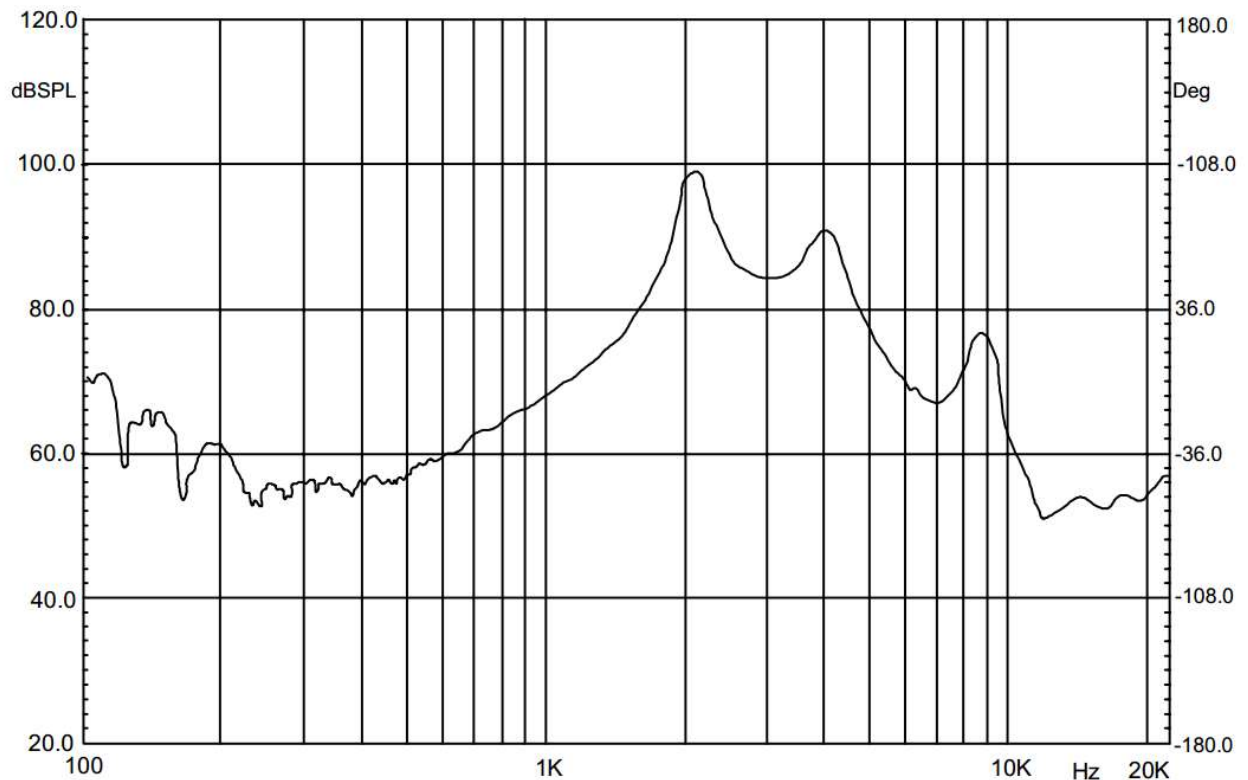
3. Test Method

Standard text Fixture



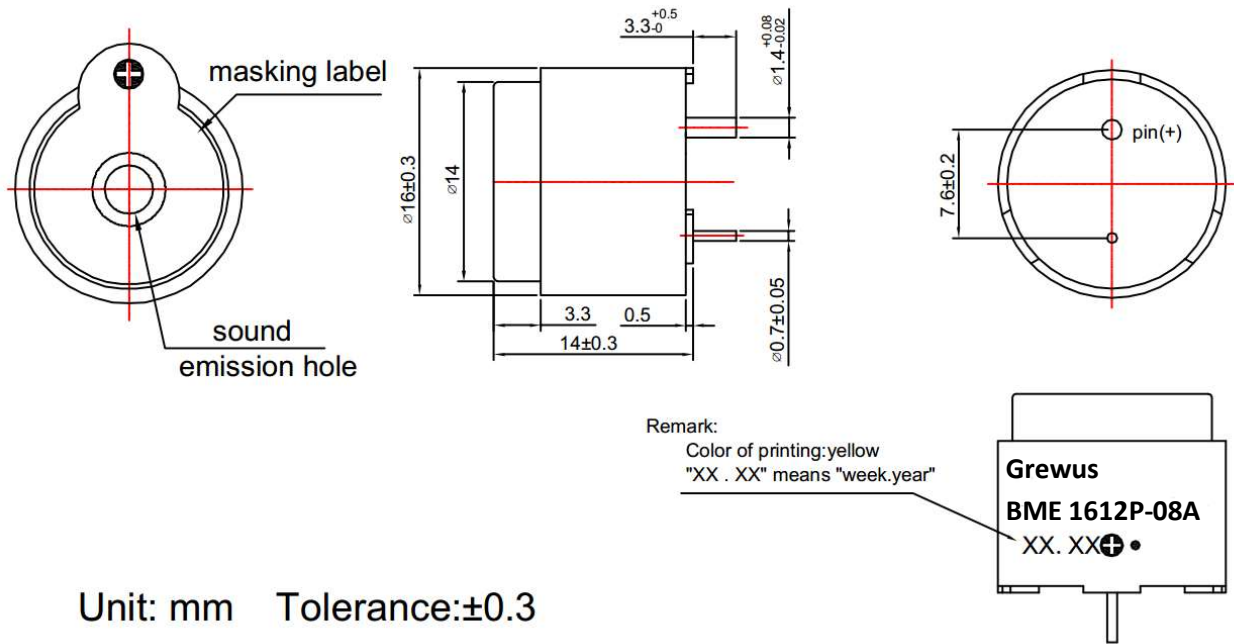
4. Frequency response (square wave 12Vo-p 10cm)

MLS-Frequency Response



GREWUS			Dimensions without tolerance ± 0.3		Scale	
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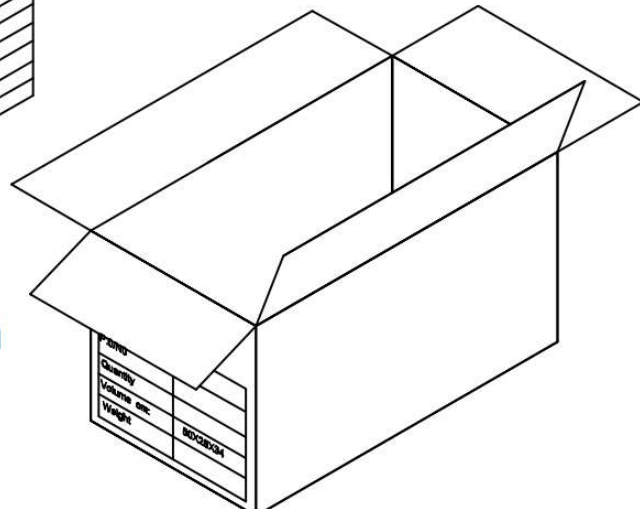
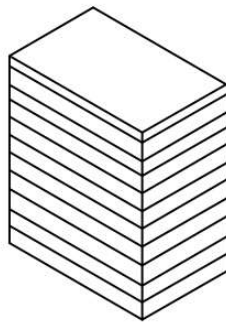
5. Dimension



Unit: mm Tolerance: ± 0.3

GREWUS			Dimensions without tolerance ± 0.3	Scale	
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7. Packing



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

8. Notice

8.1 The products mustn' tbe washed

8.2 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 product set the following conditions: Temperature: -10 to + 40°C Humidity: 15 to 85% R.H.

8.3 Expire Date on Storage

Expire date (Shelf life) of the products is six months after delivery under the conditions of a sealed and an unopened package. Please use the products within six months after delivery. 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.

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8.4 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 inthe 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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Designed by	M.Köllmann	11.09.2015	Part number BME 1612P-08A	Index A	Last Update 20.10.2017
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