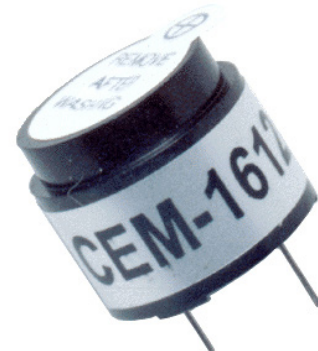


**MODEL:** CEM-1612 | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- through hole
- 12 V rated
- externally driven

**SPECIFICATIONS**

| parameter             | conditions/description   | min  | typ   | max   | units |
|-----------------------|--|------|-------|-------|-------|
| rated voltage         |  |      | 12.0  |       | Vo-p  |
| operating voltage     |  | 6.0  |       | 18.0  | Vo-p  |
| current consumption   | at rated voltage, 2,048 Hz square wave, ½ duty                   |      |       | 40    | mA    |
| rated frequency       |  |      | 2,048 |       | Hz    |
| sound pressure level  | at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, ½ duty | 85   | 97    |       | dB(A) |
| coil resistance       |  | 98.0 | 115.0 | 132.0 | Ω     |
| dimensions            | Ø16.0 x 14.0   |      |       |       | mm    |
| weight                |  |      | 4.6   |       | g     |
| material              | PPO  |      |       |       |       |
| terminal              | pin type (Au plating)  |      |       |       |       |
| operating temperature |  | -20  |       | 60    | °C    |
| storage temperature   |  | -30  |       | 70    | °C    |
| washable              | yes  |      |       |       |       |
| RoHS                  | yes  |      |       |       |       |

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

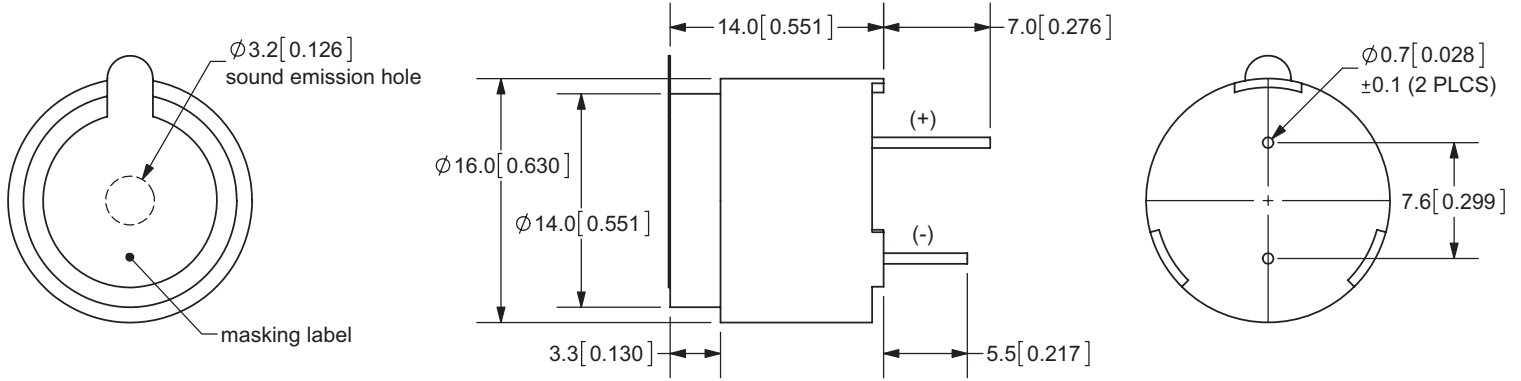
**SOLDERABILITY**

| parameter                   | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering <sup>2</sup> | for maximum 2 seconds  | 330 |     | 380 | °C    |

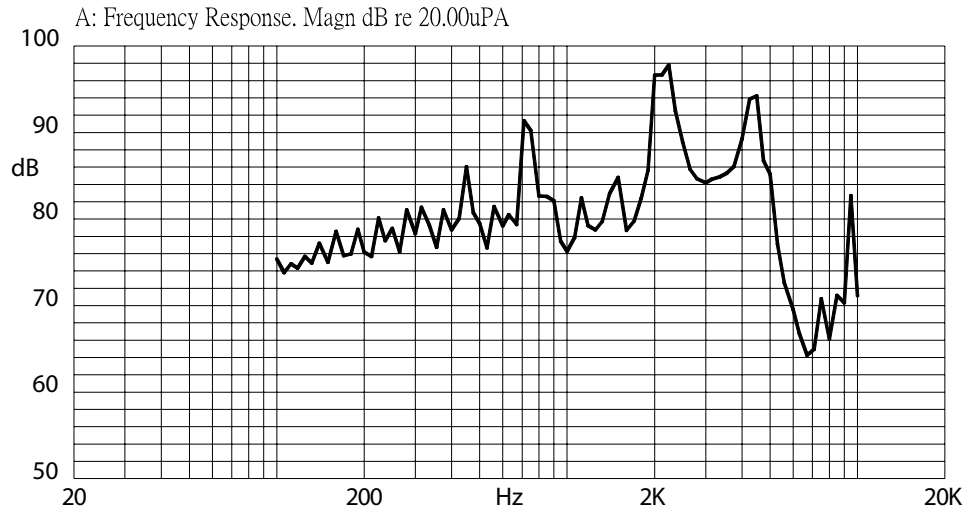
Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

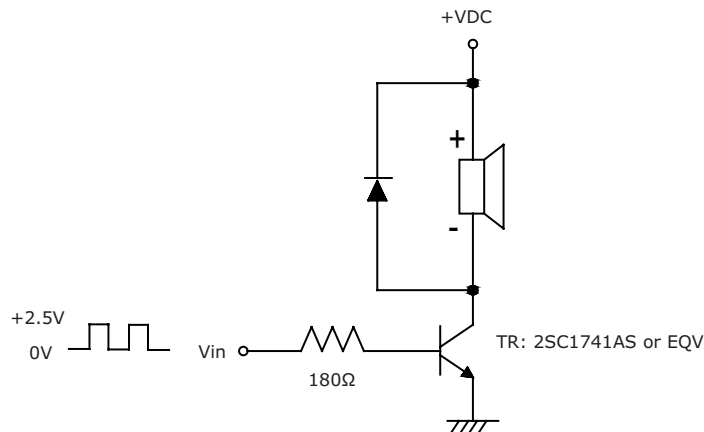
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT



## REVISION HISTORY

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| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 09/13/2006 |
| 1.01 | brand update    | 01/06/2020 |

The revision history provided is for informational purposes only and is believed to be accurate.

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# CUI DEVICES

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