

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, 1/2 duty | | | 40 | mA |
| rated frequency | | | 2,048 | | Hz |
| sound pressure level | at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, 1/2 duty | 85 | 97 | | dB(A) |
| coil resistance | | 98.0 | 115.0 | 132.0 | Ω |
| dimensions | $\varnothing 16.0 \times 14.0$ | | | | mm |
| weight | | | 4.6 | | g |
| material | PPO | | | | |
| terminal | pin type (Au plating) | | | | |
| operating temperature | | -20 | | 60 | $^{\circ}\text{C}$ |
| storage temperature | | -30 | | 70 | $^{\circ}\text{C}$ |
| washable | yes | | | | |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

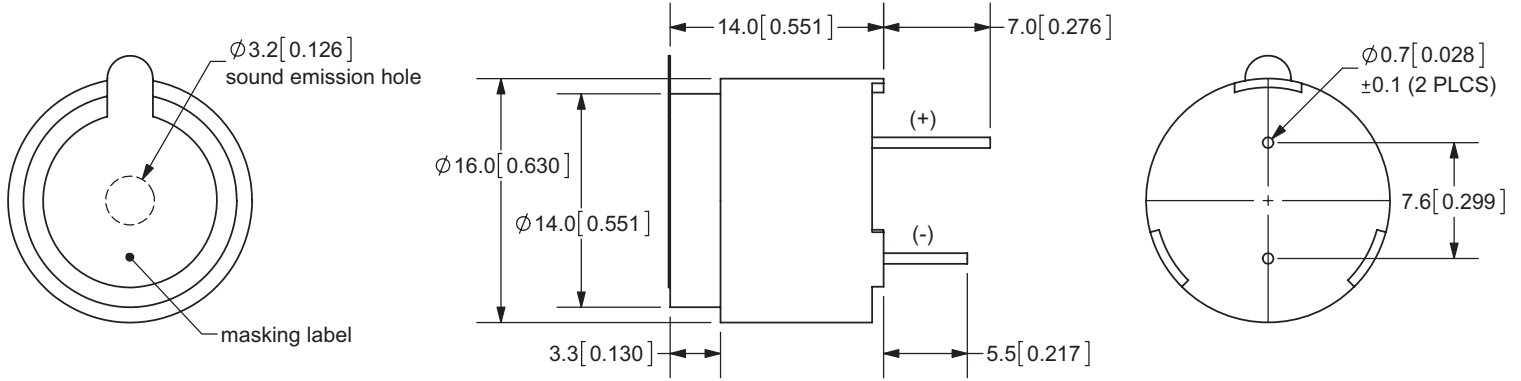
SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|--------------------|
| hand soldering ² | for maximum 2 seconds | 330 | | 380 | $^{\circ}\text{C}$ |

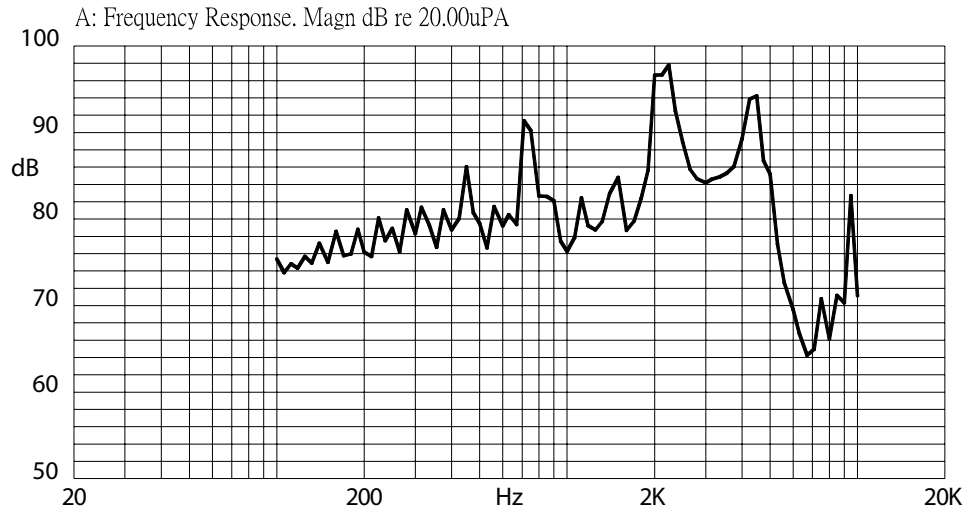
Notes: 2. Not recommended for wave soldering

MECHANICAL DRAWING

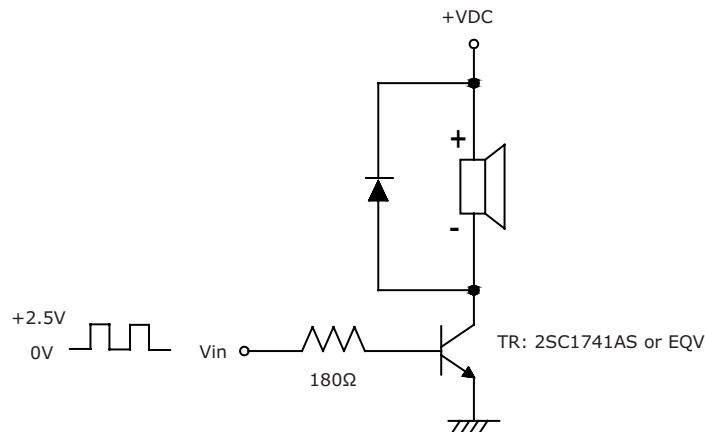
units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



REVISION HISTORY

| 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.

CUI DEVICES

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