

**MODEL:** CEM-1206S | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- through hole
- 5 V rated
- externally driven

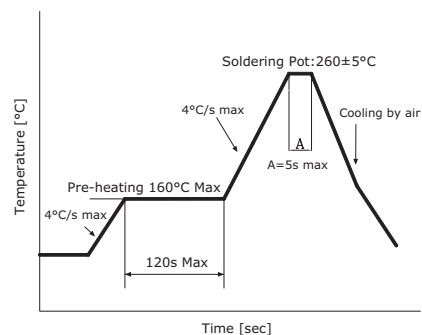
**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min  | typ   | max  | units              |
|-----------------------|-----------------------------------------------------------------------------------|------|-------|------|--------------------|
| rated voltage         |  |      | 5.0   |      | Vo-p               |
| operating voltage     |                                                                                   | 3.0  |       | 8.0  | Vo-p               |
| current consumption   | at rated voltage, 2,400 Hz square wave, 1/2 duty                                  |      |       | 45   | mA                 |
| rated frequency       |                                                                                   |      | 2,400 |      | Hz                 |
| sound pressure level  | at 10 cm [A-weight], rated voltage, 2,400 Hz square wave, 1/2 duty                | 85   | 92    |      | dBA                |
| coil resistance       |                                                                                   | 40.0 | 47.0  | 54.0 | $\Omega$           |
| dimensions            | $\varnothing 12.0 \times 9.5$                                                     |      |       |      | mm                 |
| weight                |                                                                                   |      | 1.6   |      | g                  |
| material              | PBT                                                                               |      |       |      |                    |
| terminal              | pin type [Au plating]                                                             |      |       |      |                    |
| operating temperature |                                                                                   | -30  |       | 70   | $^{\circ}\text{C}$ |
| storage temperature   |                                                                                   | -40  |       | 85   | $^{\circ}\text{C}$ |
| washable              | yes                                                                               |      |       |      |                    |
| RoHS                  | yes                                                                               |      |       |      |                    |

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

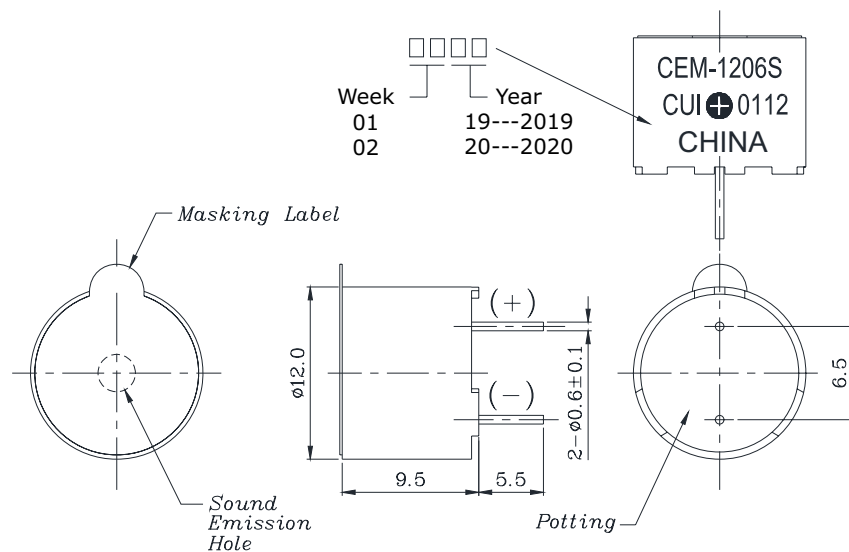
**SOLDERABILITY**

| parameter      | conditions/description  | min | typ | max | units              |
|----------------|-------------------------|-----|-----|-----|--------------------|
| hand soldering | for maximum 2 seconds   | 330 |     | 380 | $^{\circ}\text{C}$ |
| wave soldering | see wave solder profile | 255 | 260 | 265 | $^{\circ}\text{C}$ |

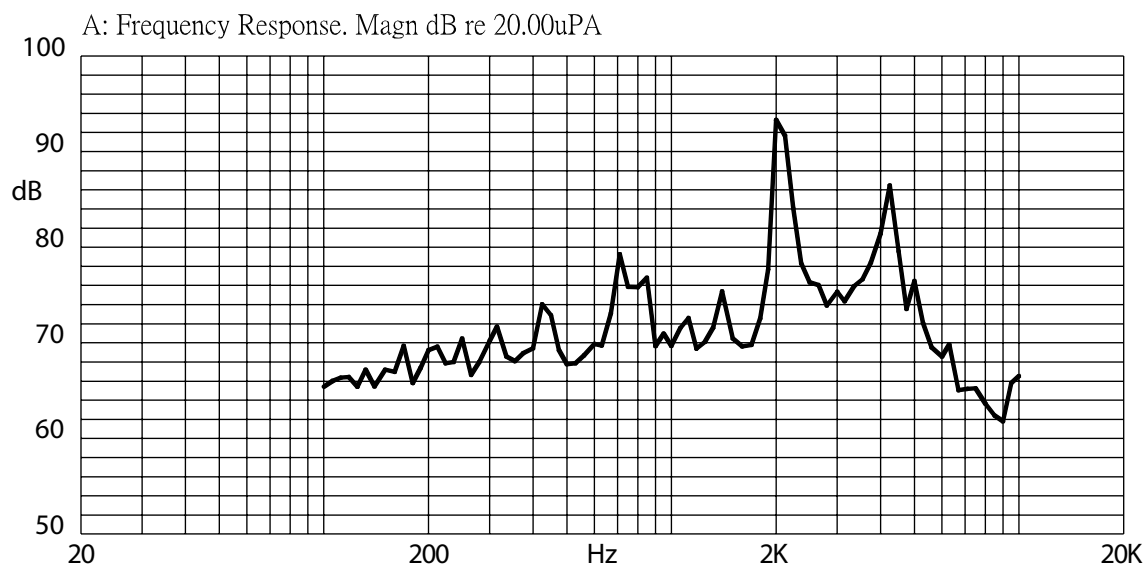


## MECHANICAL DRAWING

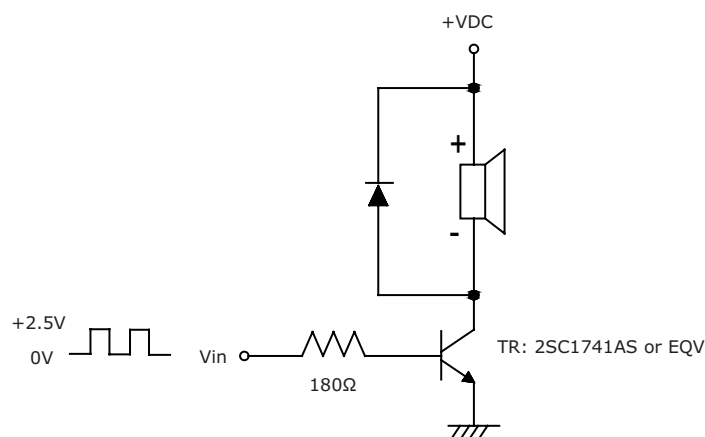
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 08/14/2006 |
| 1.01 | brand update                 | 01/02/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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



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