

**MODEL:** CMT-1612-1290T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- round
- 5 mm pin pitch
- rated frequency 2048 Hz

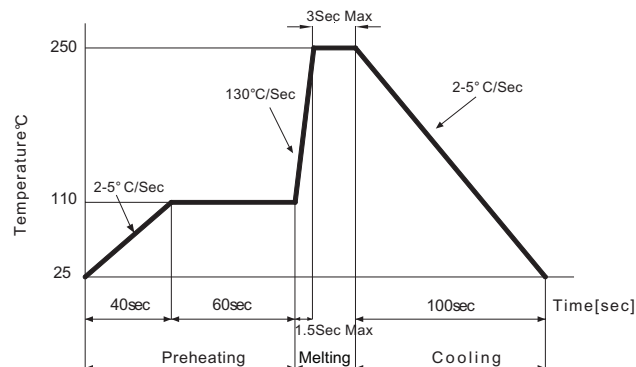
**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min | typ   | max  | units |
|-----------------------|-----------------------------------------------------------------------------------|-----|-------|------|-------|
| rated voltage         |  |     | 12.0  |      | Vo-p  |
| operating voltage     |                                                                                   | 8.0 |       | 15.0 | Vo-p  |
| current consumption   | at rated voltage, 2,048 Hz, ½ duty square wave                                    |     |       | 65   | mA    |
| rated frequency       |                                                                                   |     | 2,048 |      | Hz    |
| sound pressure level  | at 10 cm, rated voltage, 2,048 Hz, ½ duty square wave                             | 85  | 90    |      | dBA   |
| coil resistance       |                                                                                   | 97  | 115   | 133  | Ω     |
| dimensions            | Ø16.0 x 12.0                                                                      |     |       |      | mm    |
| weight                |                                                                                   |     |       | 4.6  | g     |
| material              | PPD (black)                                                                       |     |       |      |       |
| terminal              | pins (tin plating)                                                                |     |       |      |       |
| operating temperature |                                                                                   | -40 |       | 85   | °C    |
| storage temperature   |                                                                                   | -40 |       | 85   | °C    |
| washable              | yes                                                                               |     |       |      |       |
| RoHS                  | yes                                                                               |     |       |      |       |

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

**SOLDERABILITY**

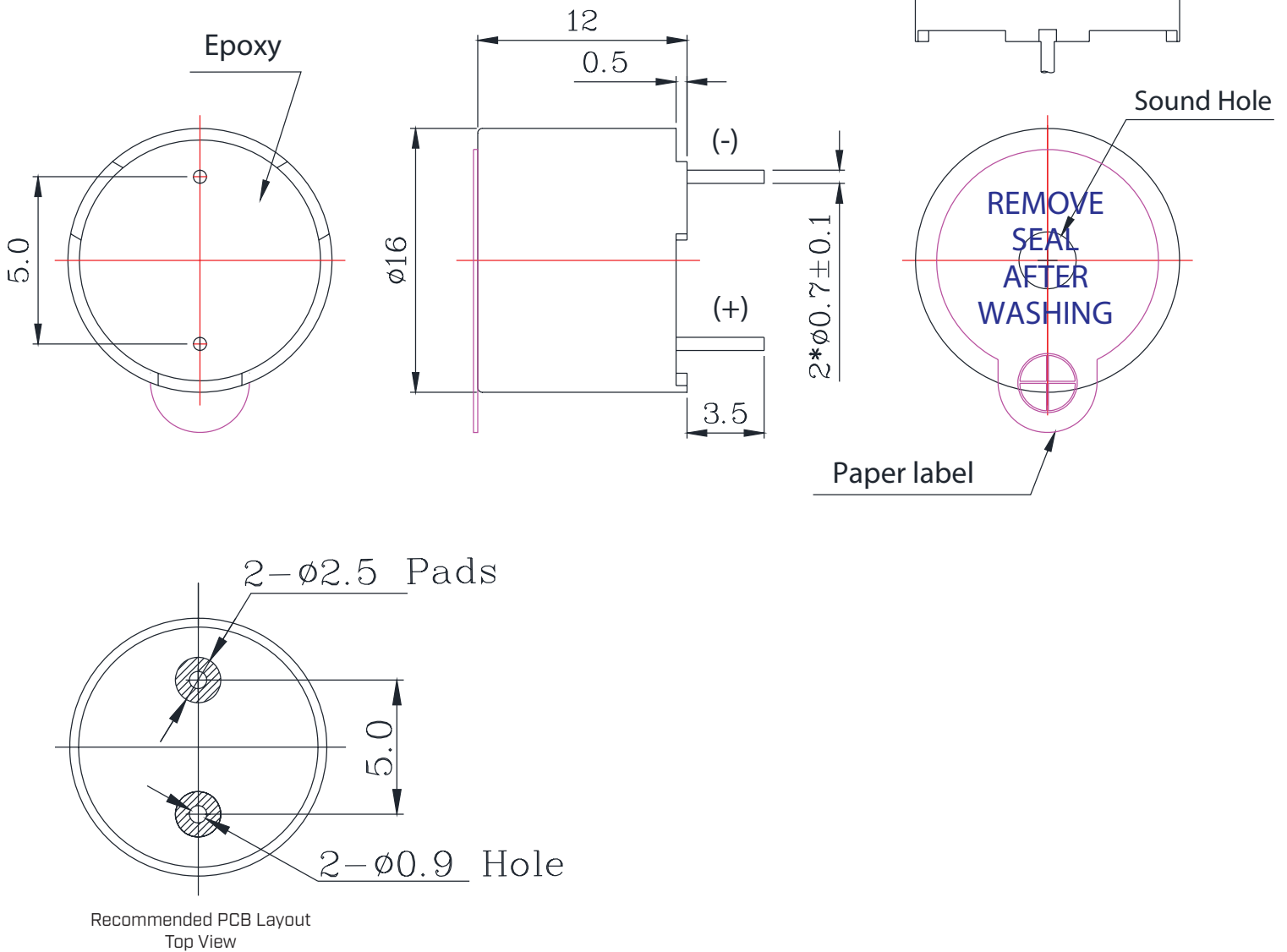
| parameter      | conditions/description                 | min | typ | max | units |
|----------------|----------------------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds                  | 330 |     | 360 | °C    |
| wave soldering | see recommended wave soldering profile |     |     | 250 | °C    |



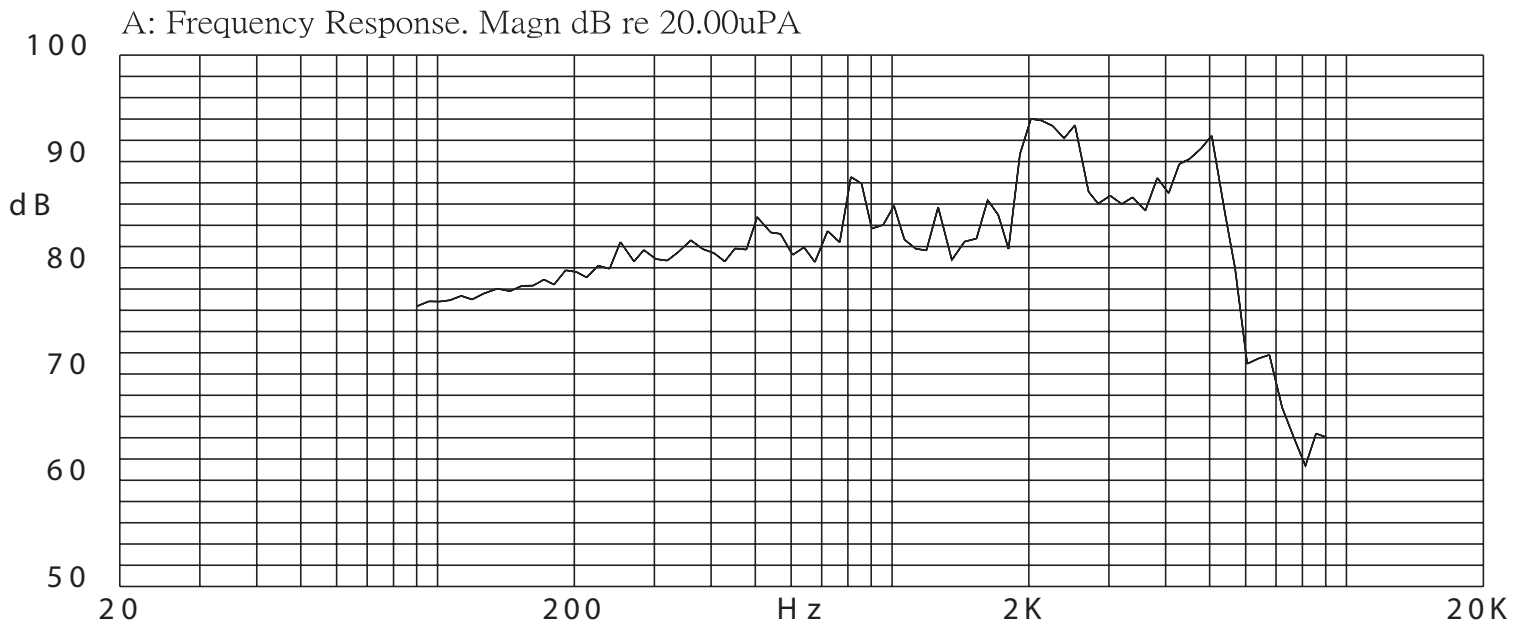
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

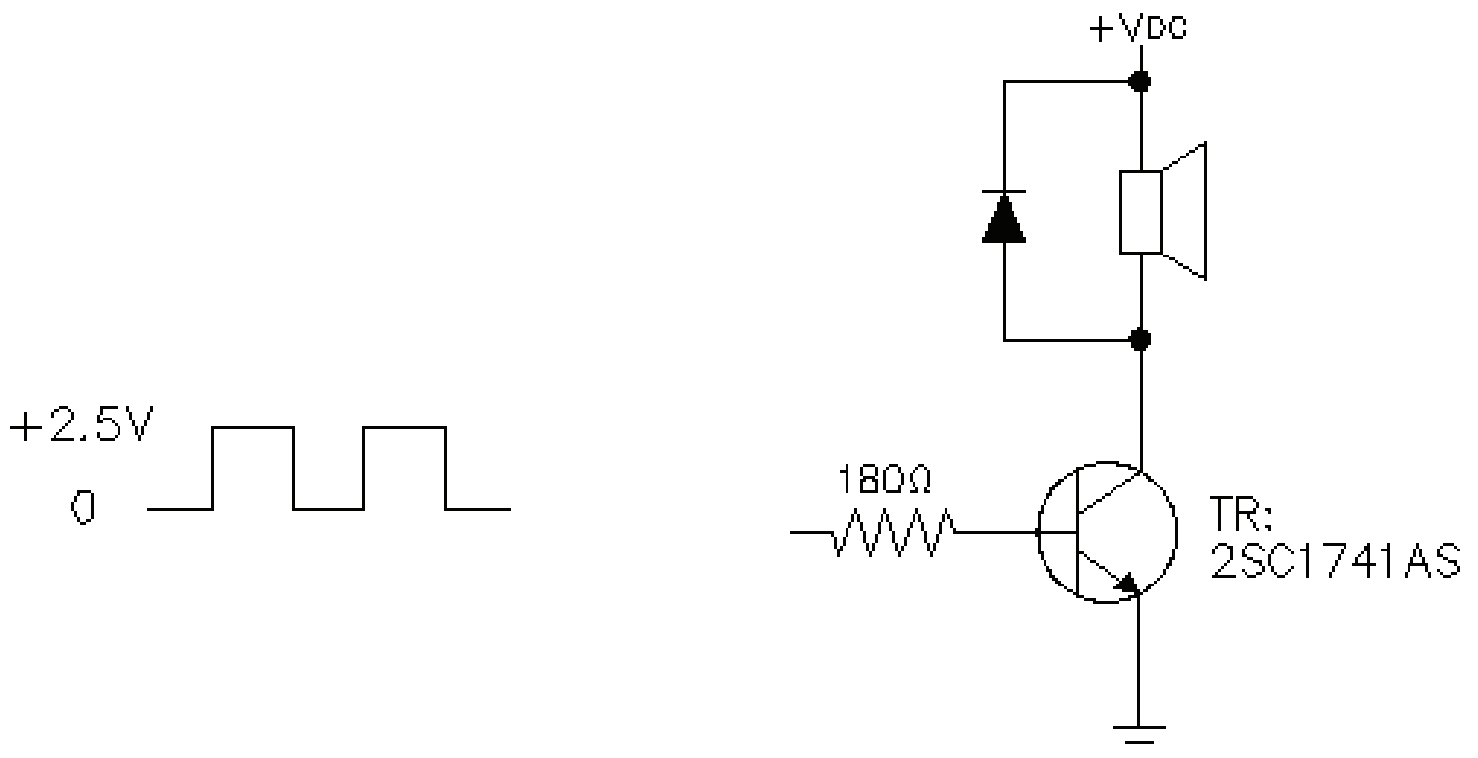
Laser Print      
Week Year



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## APPLICATION CIRCUIT



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