

**MODEL:** CMT-2512-1285T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- through hole
- SPL 85 dB
- magnetic
- externally driven

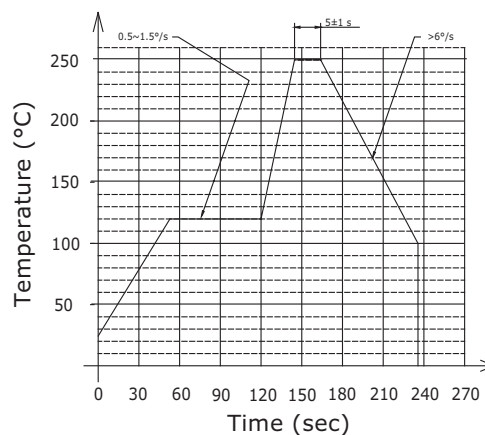
**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min | typ   | max  | units              |
|-----------------------|-----------------------------------------------------------------------------------|-----|-------|------|--------------------|
| rated voltage         |  |     | 12.0  |      | Vo-p               |
| operating voltage     |                                                                                   | 8.0 |       | 14.0 | Vo-p               |
| current consumption   | at rated voltage, 1,000 Hz, 1/2 duty square wave                                  |     |       | 100  | mA                 |
| rated frequency       |                                                                                   |     | 1,000 |      | Hz                 |
| sound pressure level  | at 10 cm, rated voltage, 1,000 Hz, 1/2 duty square wave                           | 85  |       |      | dB                 |
| coil resistance       |                                                                                   | 72  | 80    | 88   | $\Omega$           |
| dimensions            | $\varnothing 25.0 \times 12.5$                                                    |     |       |      | mm                 |
| weight                |                                                                                   |     | 10    |      | g                  |
| material              | NORYL                                                                             |     |       |      |                    |
| terminal              | pins (red copper with tin plating)                                                |     |       |      |                    |
| operating temperature |                                                                                   | -30 |       | 70   | $^{\circ}\text{C}$ |
| storage temperature   |                                                                                   | -40 |       | 85   | $^{\circ}\text{C}$ |
| RoHS                  | yes                                                                               |     |       |      |                    |

Notes: 1. All specifications measured at 25 $\pm$ 3 $^{\circ}\text{C}$ , humidity at 60-70%, under 86-106 kPa pressure, unless otherwise noted.

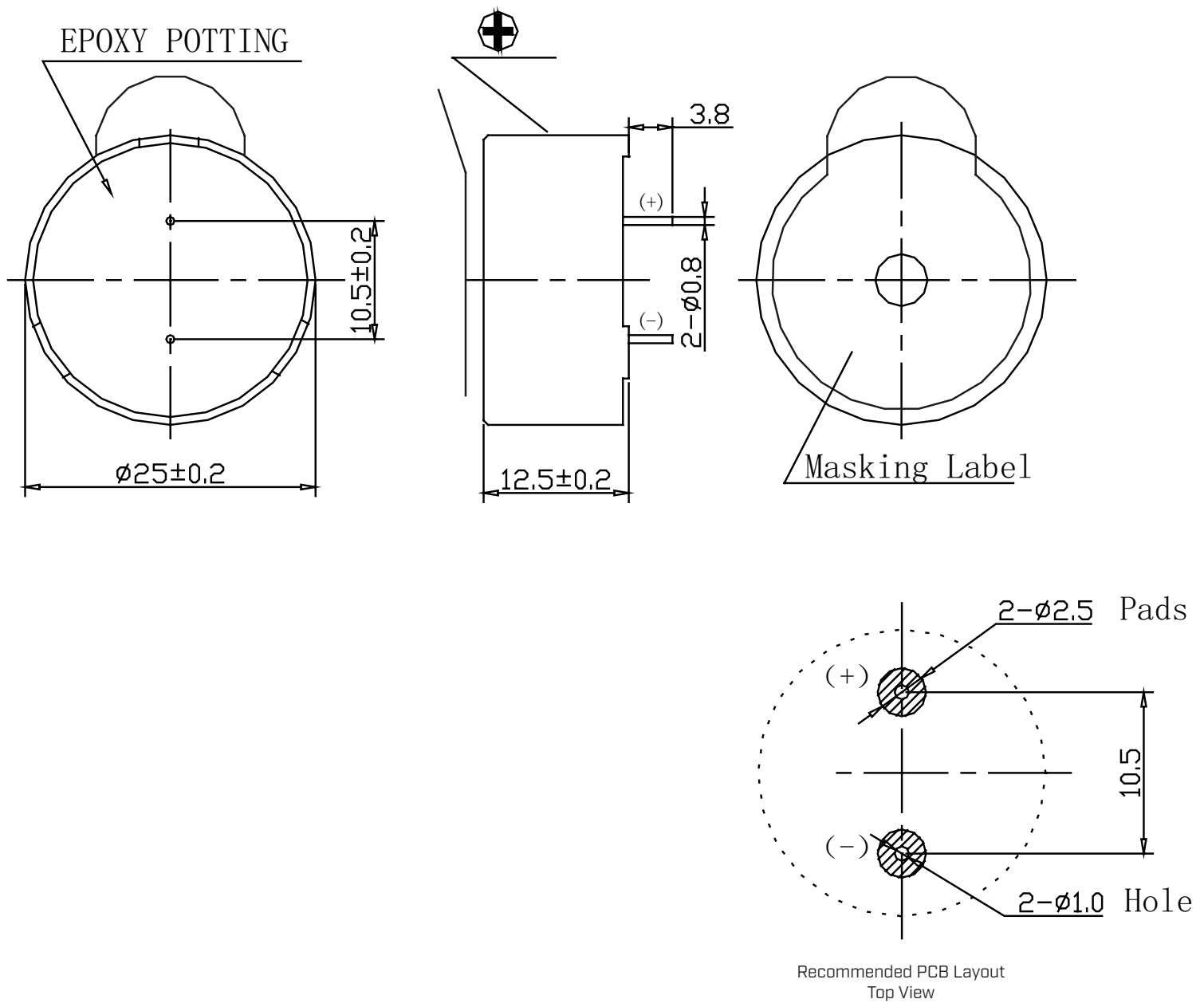
**SOLDERABILITY**

| parameter      | conditions/description                 | min | typ | max | units              |
|----------------|----------------------------------------|-----|-----|-----|--------------------|
| wave soldering | see recommended wave soldering profile |     |     | 250 | $^{\circ}\text{C}$ |

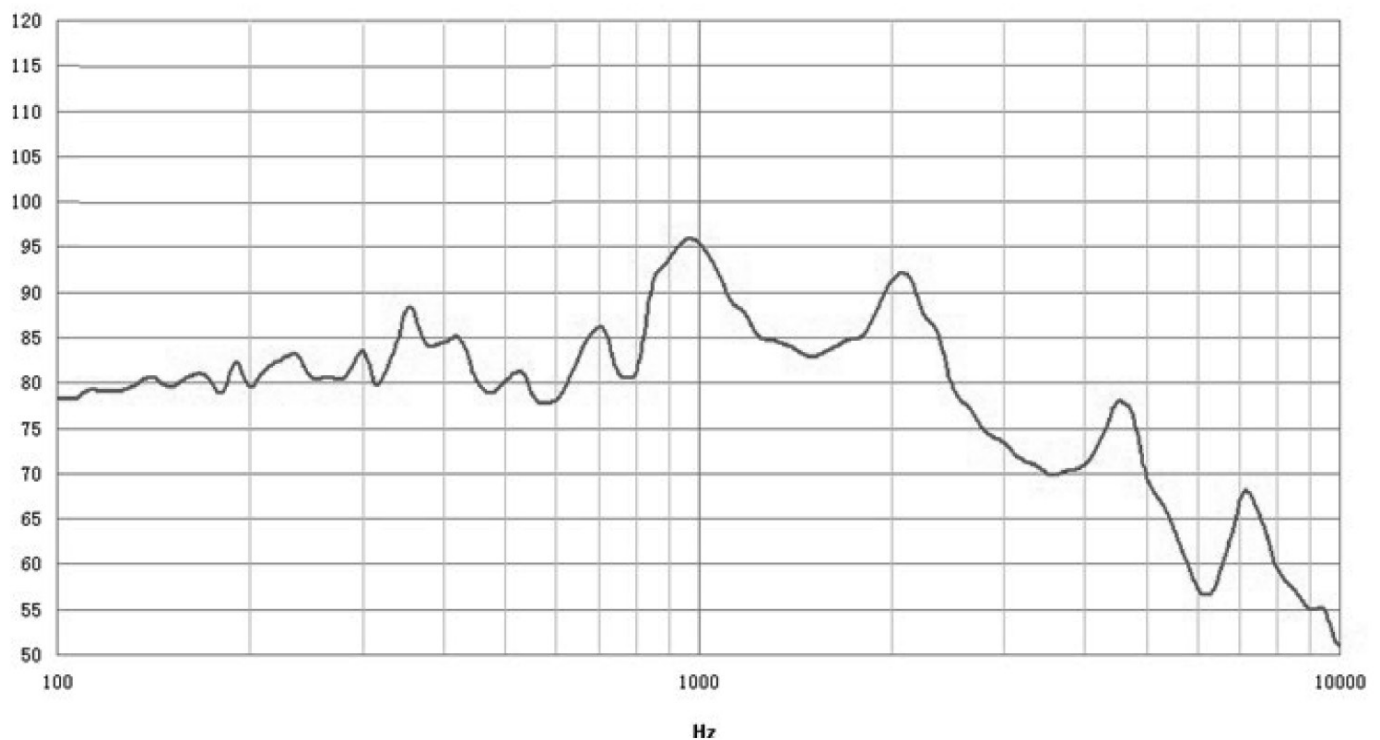


## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



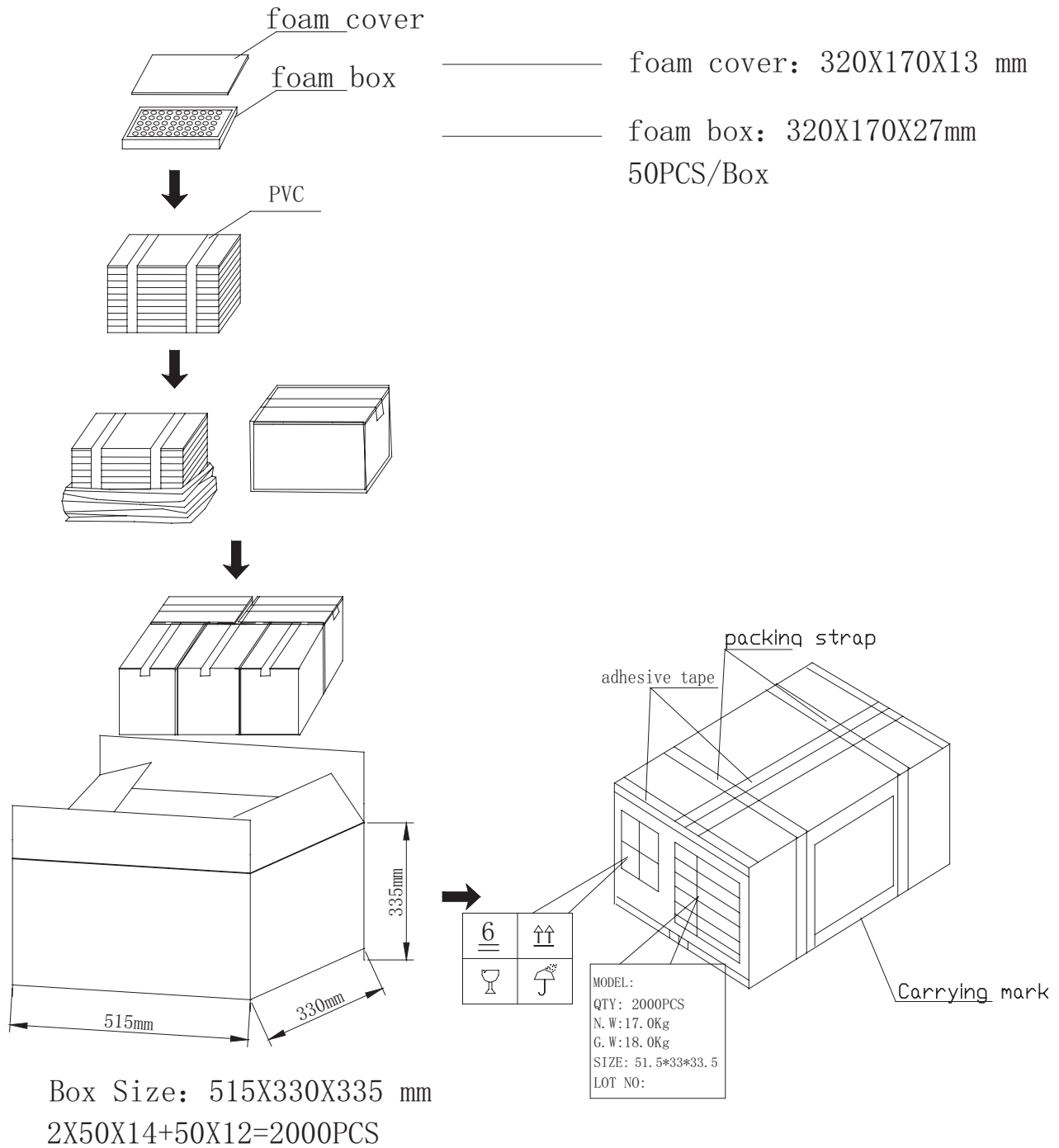
## APPLICATION CIRCUIT



## PACKAGING

units: mm

Carton Size: 515 x 330 x 335 mm  
Carton QTY: 2,000 pcs per carton



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 07/12/2019 |
| 1.01 | brand update                 | 12/18/2019 |
| 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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