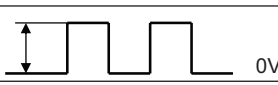



**MODEL:** CMT-2512-585T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

**FEATURES**

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

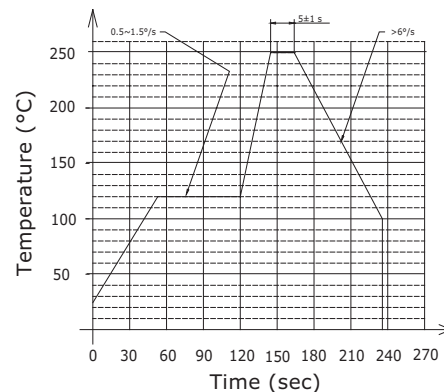

**SPECIFICATIONS**

| parameter             | conditions/description                                                                      | min | typ | max | units              |
|-----------------------|---------------------------------------------------------------------------------------------|-----|-----|-----|--------------------|
| rated voltage         | $V_{o-p}$  |     | 5.0 |     | $V_{o-p}$          |
| operating voltage     |                                                                                             | 3.0 |     | 7.0 | $V_{o-p}$          |
| current consumption   | at rated voltage, 800 Hz, 1/2 duty square wave                                              |     |     | 80  | mA                 |
| rated frequency       |                                                                                             |     | 800 |     | Hz                 |
| sound pressure level  | at 10 cm, rated voltage, 800 Hz, 1/2 duty square wave                                       | 85  |     |     | dB                 |
| coil resistance       |                                                                                             | 26  | 30  | 34  | $\Omega$           |
| 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.

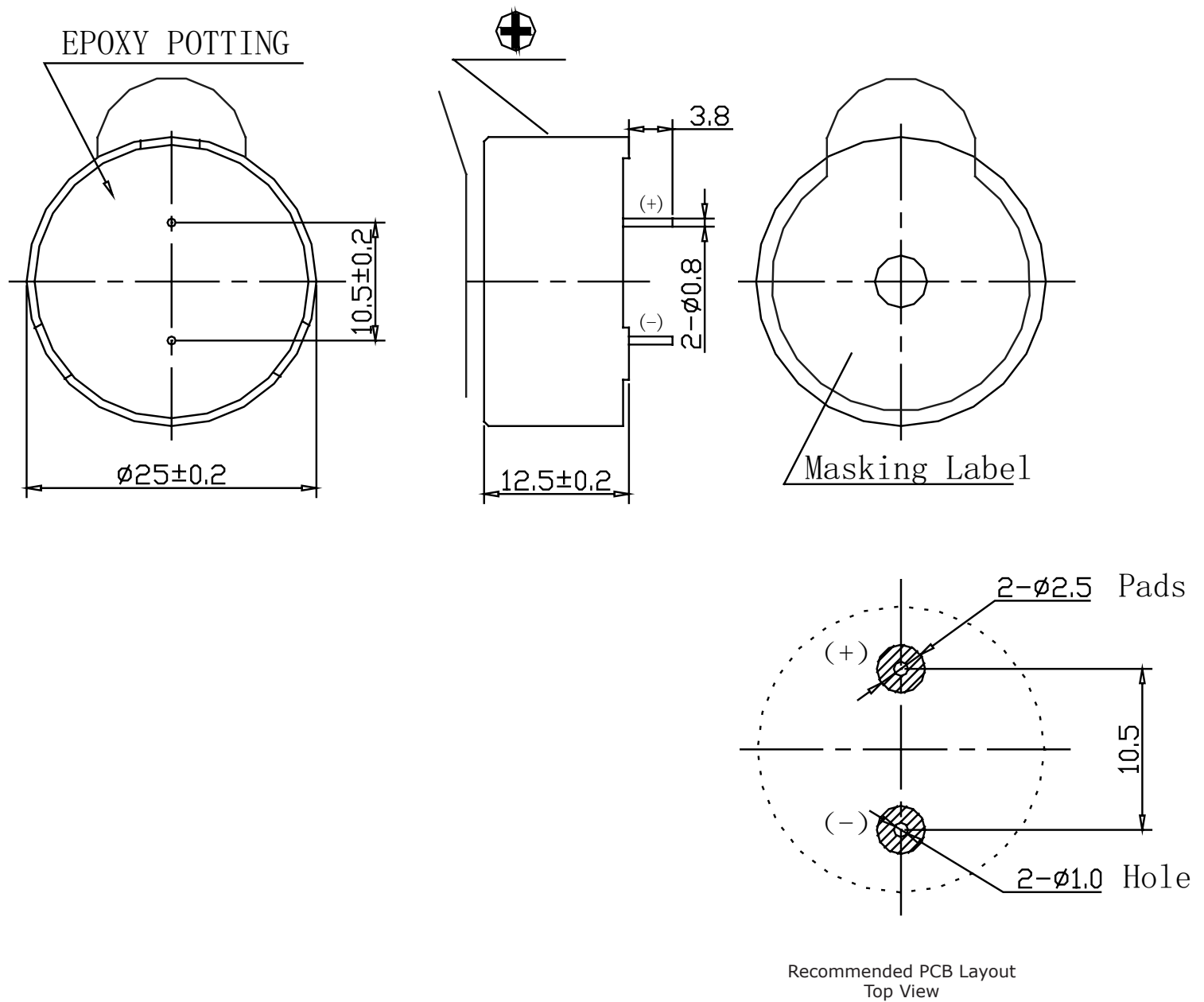
**SOLDERABILITY**

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

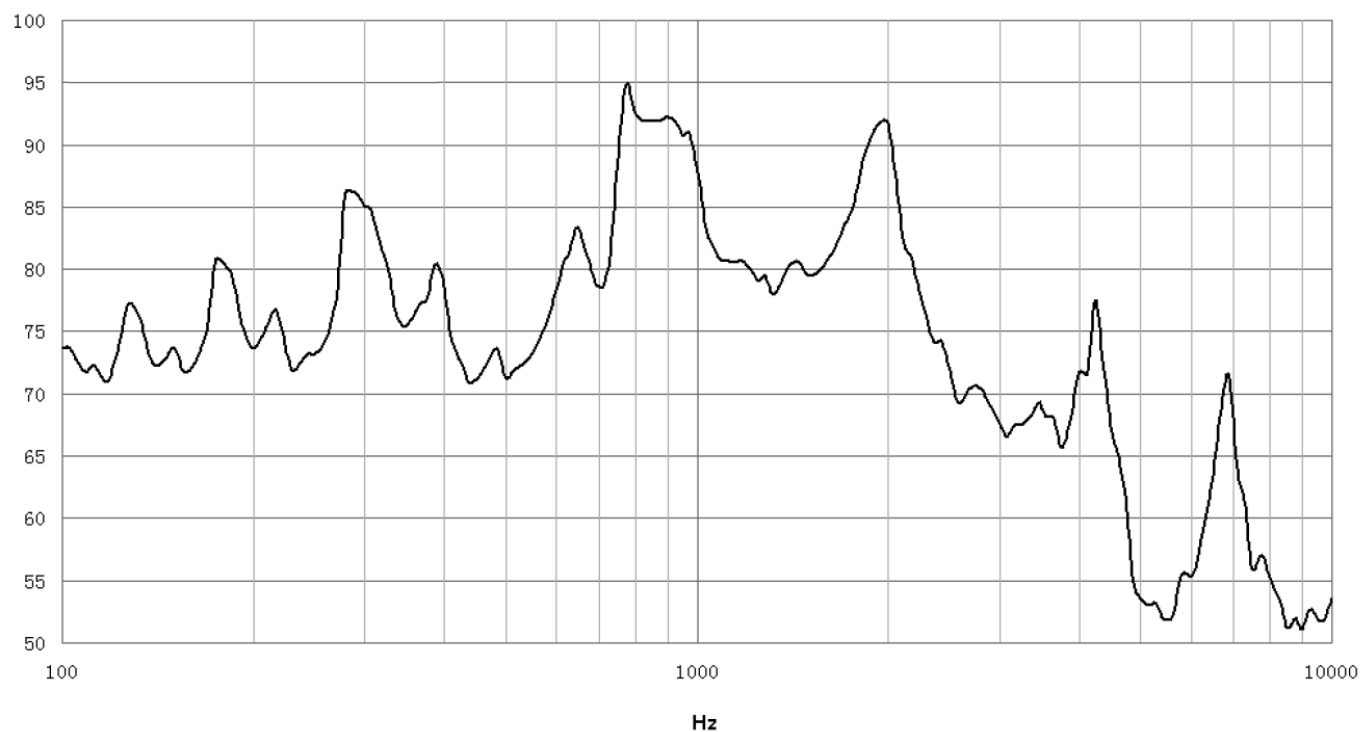


## MECHANICAL DRAWING

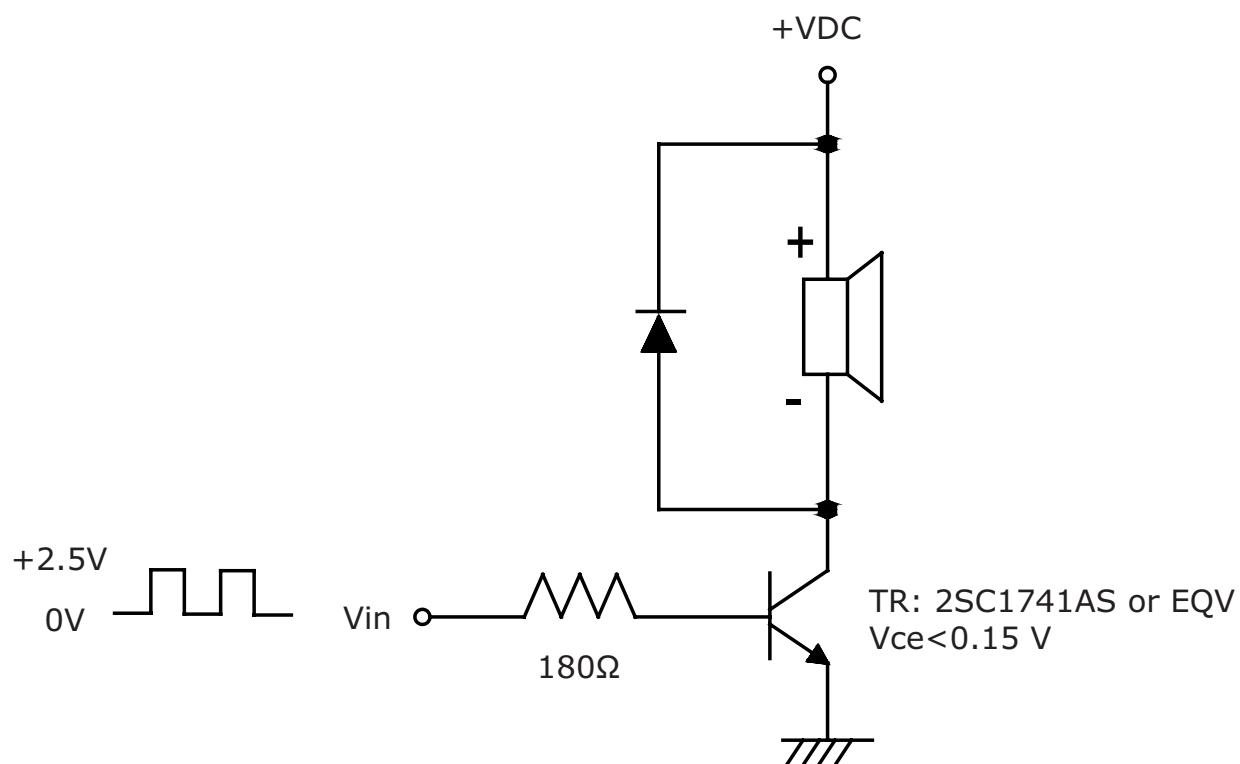
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT

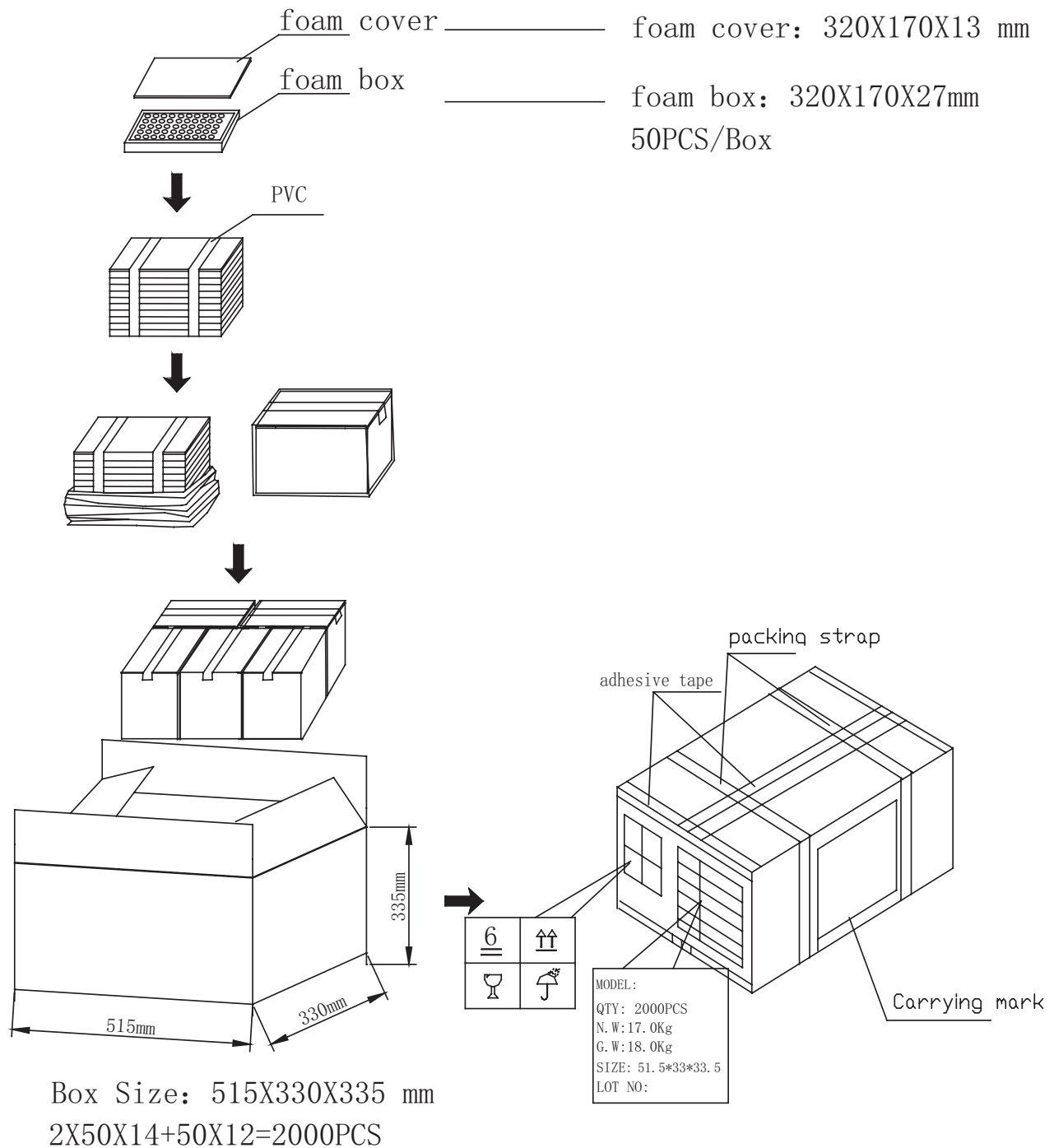


## PACKAGING

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 |

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

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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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