

**MODEL:** CMT-8504-03-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- magnetic
- no driving circuit
- surface mount

**SPECIFICATIONS**

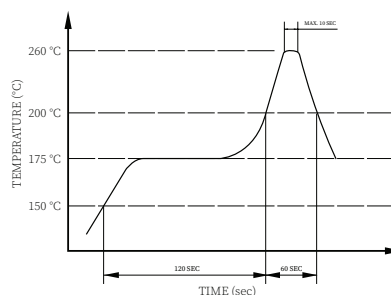
| parameter             | conditions/description                                                                 | min | typ   | max | units |
|-----------------------|----------------------------------------------------------------------------------------|-----|-------|-----|-------|
| rated voltage         |  vo-p |     | 3     |     | Vo-p  |
| operating voltage     |                                                                                        | 2.5 |       | 4.5 | Vo-p  |
| current consumption   | at rated voltage, 2,700 Hz, ½ duty square wave                                         |     |       | 100 | mA    |
| rated frequency       |                                                                                        |     | 2,700 |     | Hz    |
| sound pressure level  | at 10 cm, rated voltage, 2,700 Hz, ½ duty square wave                                  | 85  |       |     | dB    |
| coil resistance       |                                                                                        | 13  | 16    | 19  | Ω     |
| dimensions            | 8.5 x 8.5 x 4.0                                                                        |     |       |     | mm    |
| weight                |                                                                                        | 0.4 | 0.5   | 0.6 | g     |
| material              | LCP (UL94V-0)                                                                          |     |       |     |       |
| terminal              | surface mount (tin plating)                                                            |     |       |     |       |
| operating temperature |                                                                                        | -20 |       | 70  | °C    |
| storage temperature   |                                                                                        | -40 |       | 80  | °C    |
| washable              | no                                                                                     |     |       |     |       |
| RoHS                  | yes                                                                                    |     |       |     |       |

Notes: 1. All specifications measured at 25±5°C, humidity at 35-70%, under 86-106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

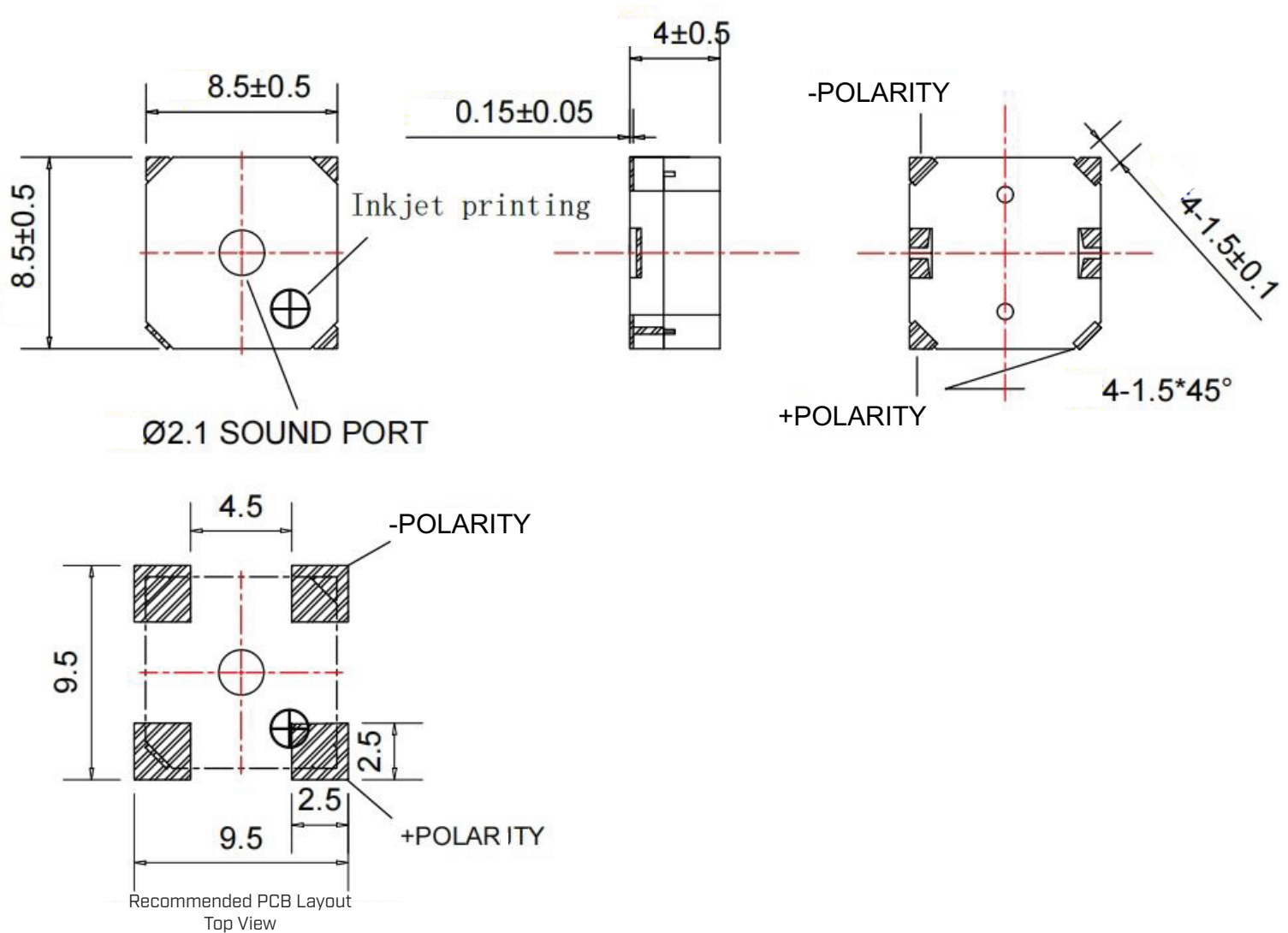
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <40%                |     |     | 25  | °C    |
| reflow soldering <sup>2</sup>  | see recommended reflow soldering profile |     | 260 |     | °C    |
| drying conditions <sup>3</sup> | bake at 40°C for 24 hours                |     |     |     |       |

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. Not recommended to exceed 2 reflow cycles.  
3. When out of packaging for more than 48 hours.

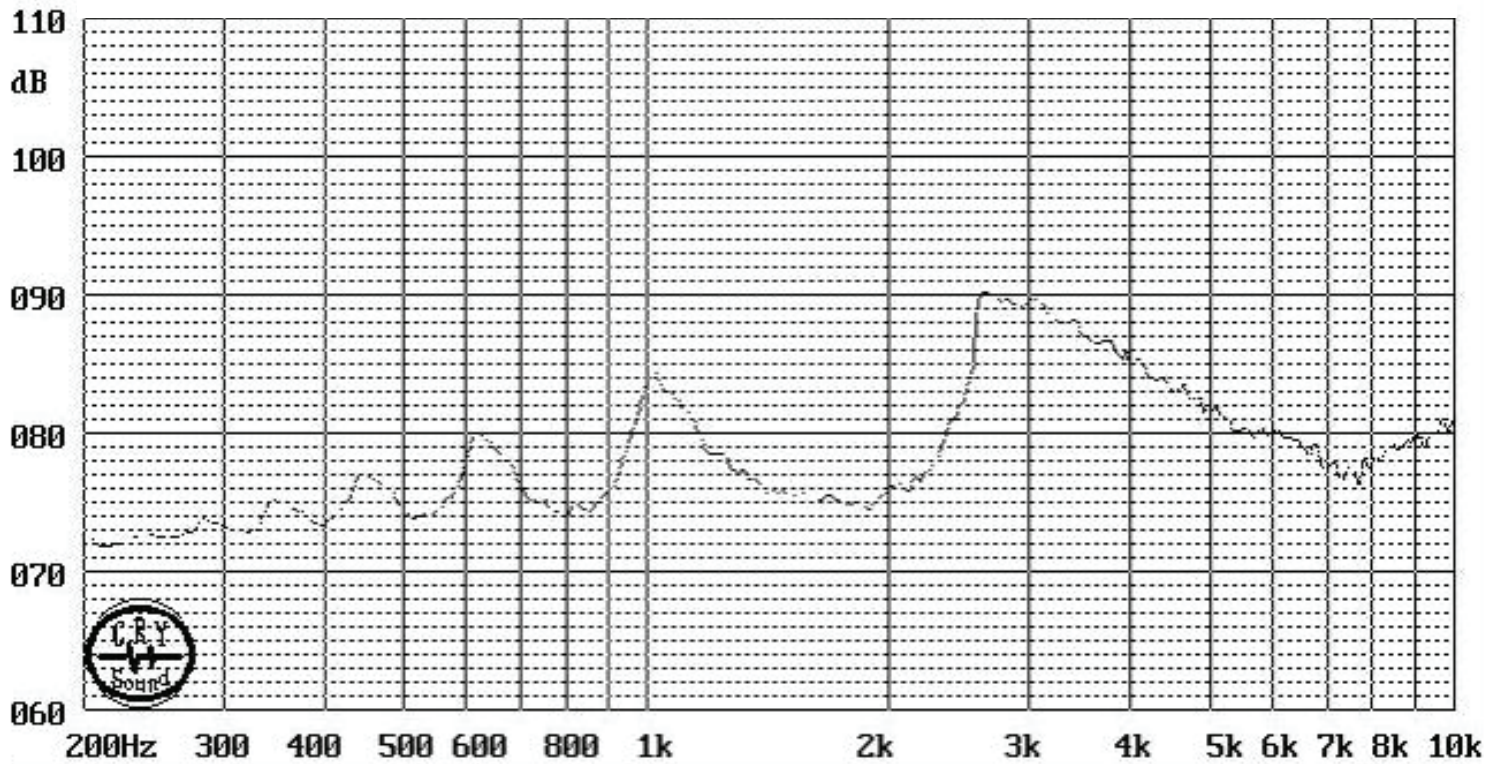


## MECHANICAL DRAWING

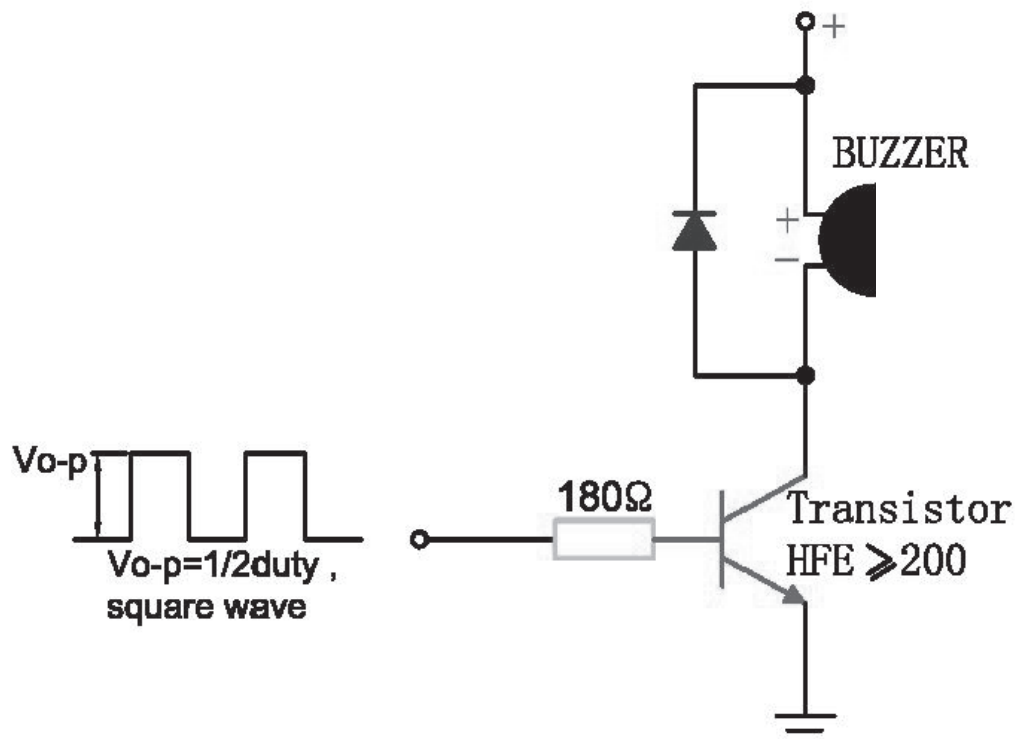
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



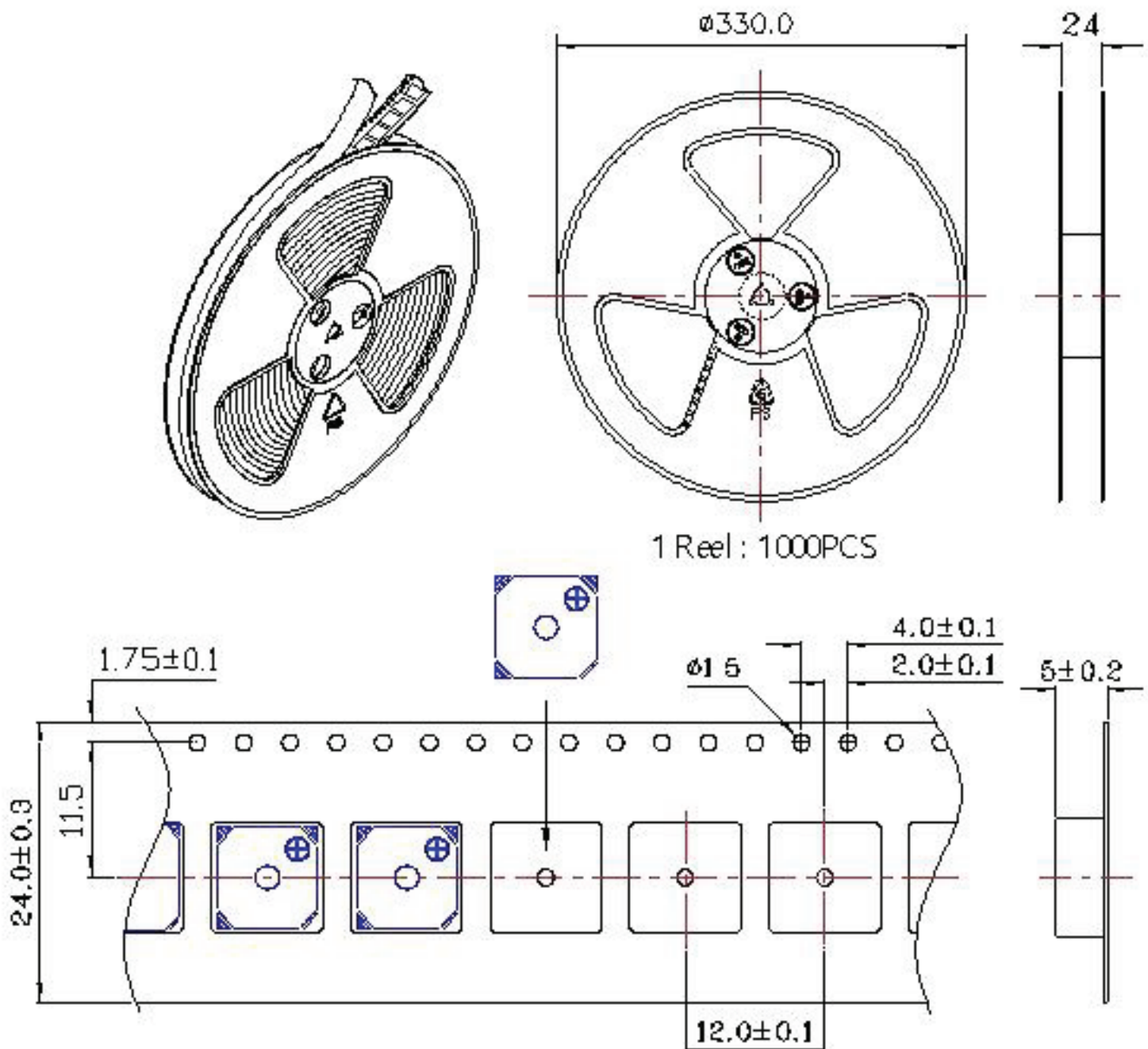
## APPLICATION CIRCUIT



## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm  
Reel QTY: 1,000 pcs per reel  
Carton Size: 370 x 350 x 350 mm  
Carton QTY: 10,000 pcs per carton



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