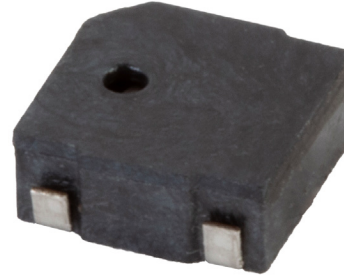


**MODEL:** CMT-0502-03-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- magnetic
- no driving circuit
- surface mount

**SPECIFICATIONS**

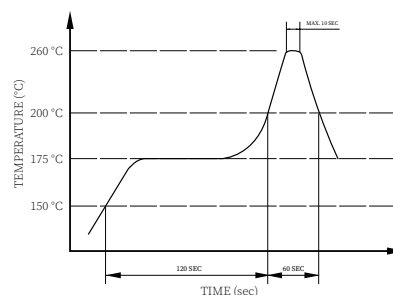
| parameter             | conditions/description                                                                    | min  | typ   | max  | units |
|-----------------------|-------------------------------------------------------------------------------------------|------|-------|------|-------|
| rated voltage         | vo-p  0V |      | 3     |      | Vo-p  |
| operating voltage     |                                                                                           | 2    |       | 4    | Vo-p  |
| current consumption   | at rated voltage, 4,000 Hz, ½ duty square wave                                            |      |       | 110  | mA    |
| rated frequency       |                                                                                           |      | 4,000 |      | Hz    |
| sound pressure level  | at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave                                     | 75   |       |      | dB    |
| coil resistance       |                                                                                           | 9    | 12    | 15   | Ω     |
| dimensions            | 5 x 5 x 2                                                                                 |      |       |      | mm    |
| weight                |                                                                                           | 0.05 | 0.10  | 0.15 | g     |
| material              | LCP (UL94V-0)                                                                             |      |       |      |       |
| terminal              | surface mount (tin plating)                                                               |      |       |      |       |
| operating temperature |                                                                                           | -40  |       | 80   | °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**

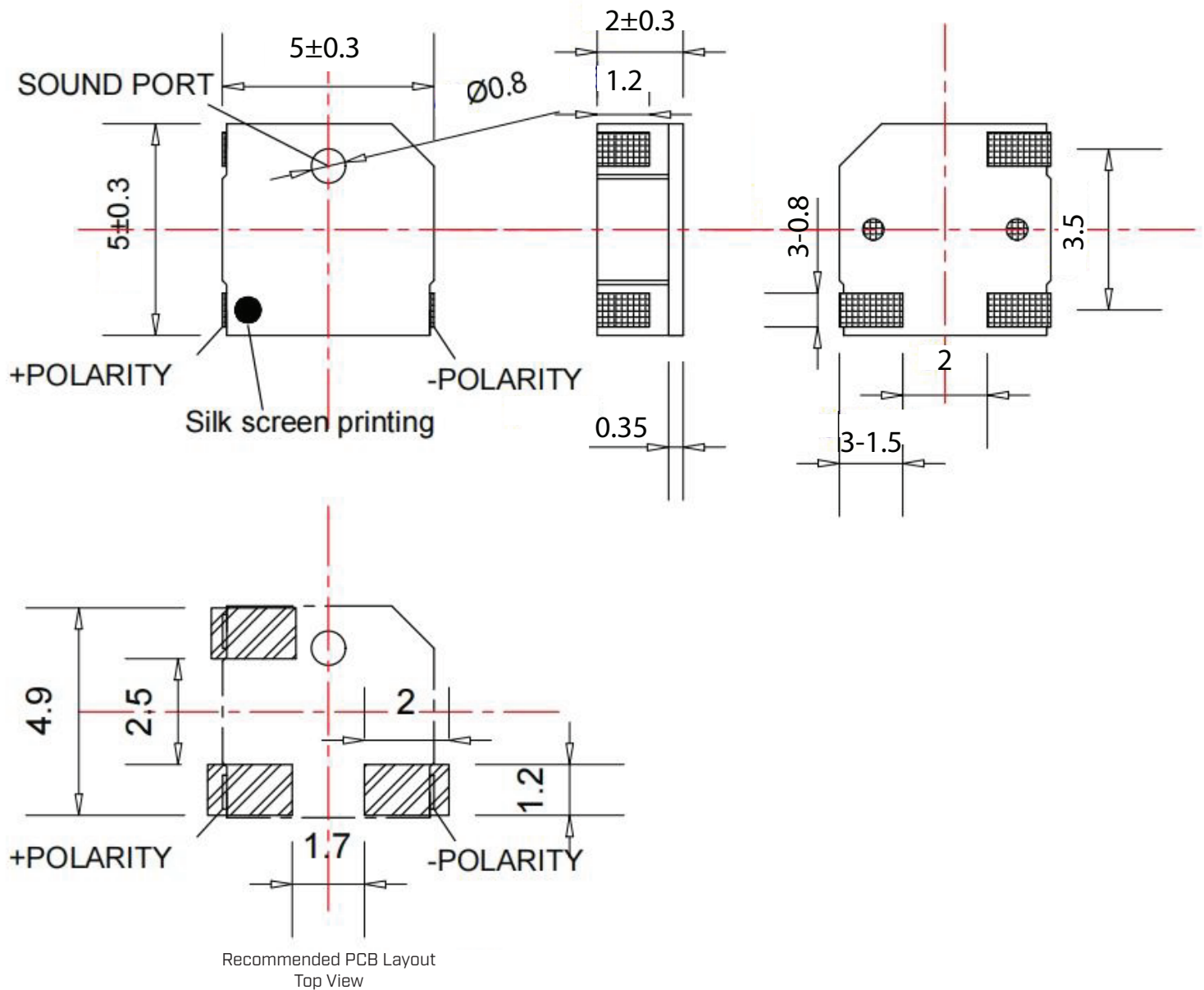
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <40%                |     |     | 25  | °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.

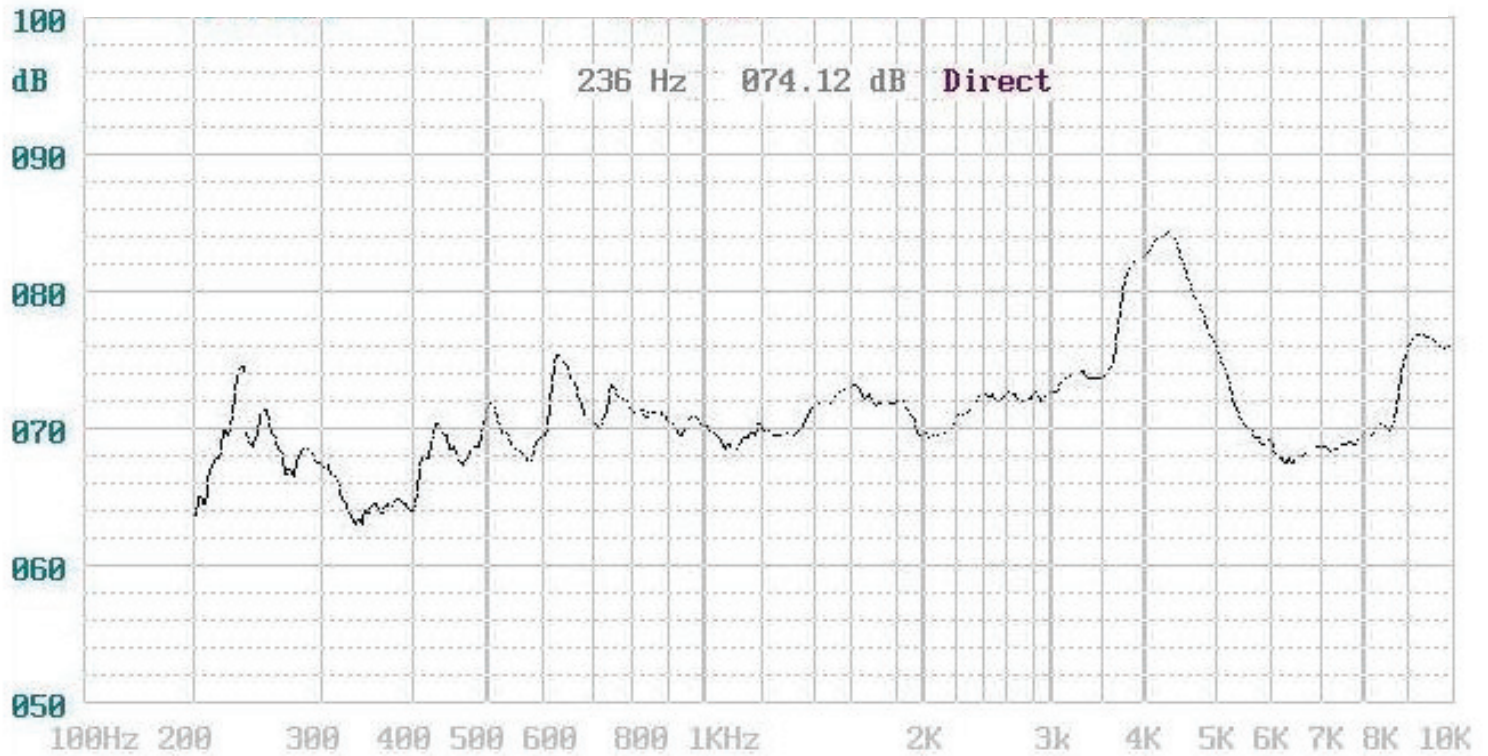


## MECHANICAL DRAWING

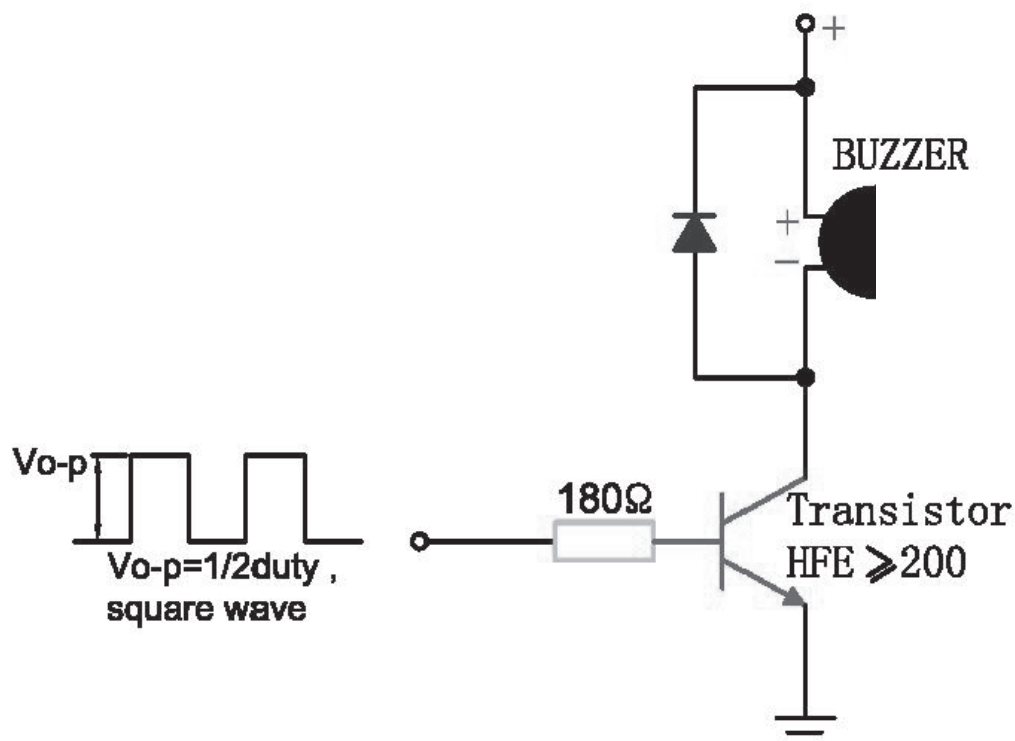
units: mm  
tolerance:  $\pm 0.3$  mm



## FREQUENCY RESPONSE CURVE



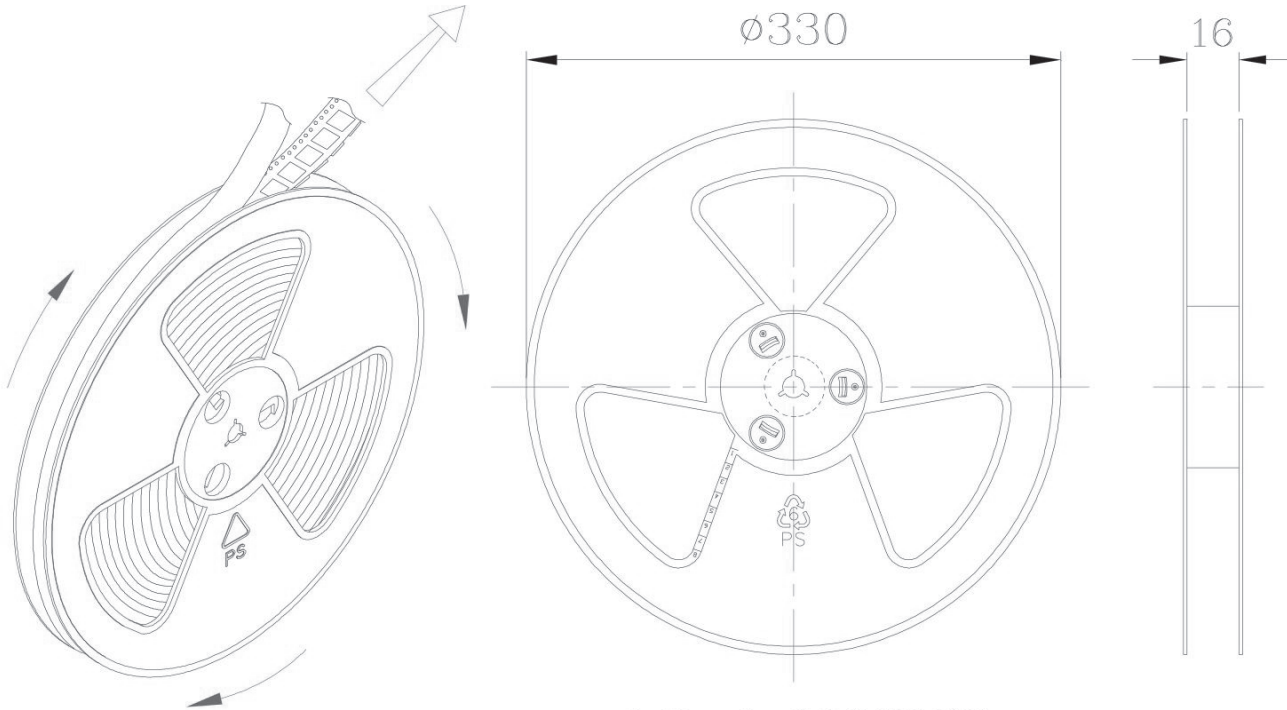
## APPLICATION CIRCUIT



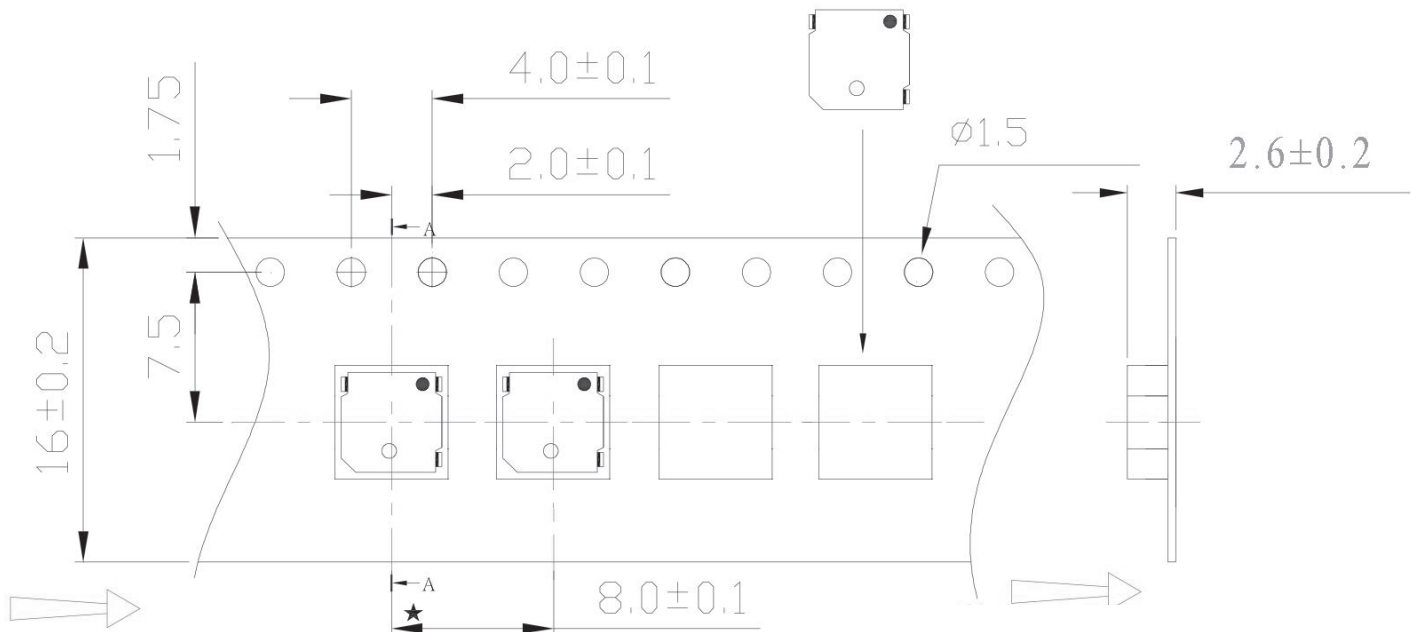
## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm  
Reel QTY: 3,000 pcs per reel  
Carton Size: 370 x 350 x 350 mm  
Carton QTY: 30,000 pcs per carton



1 Reel : 3000PCS



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