



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

FEATURES

- magnetic
- no driving circuit
- surface mount



SPECIFICATIONS

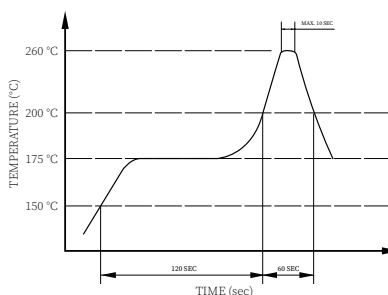
| parameter | conditions/description | min | typ | max | units |
|-----------------------|---|-----|-------|-----|-------|
| rated voltage | | | 3 | | Vo-p |
| operating voltage | | 2.5 | | 4.5 | Vo-p |
| current consumption | at rated voltage, 2,700 Hz, ½ duty square wave | | | 100 | mA |
| rated frequency | | | 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

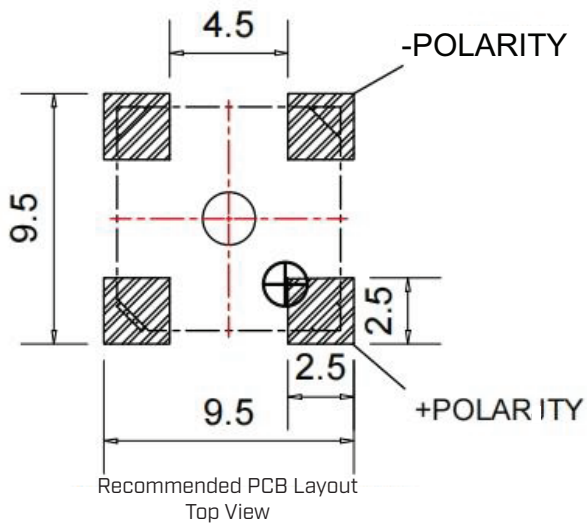
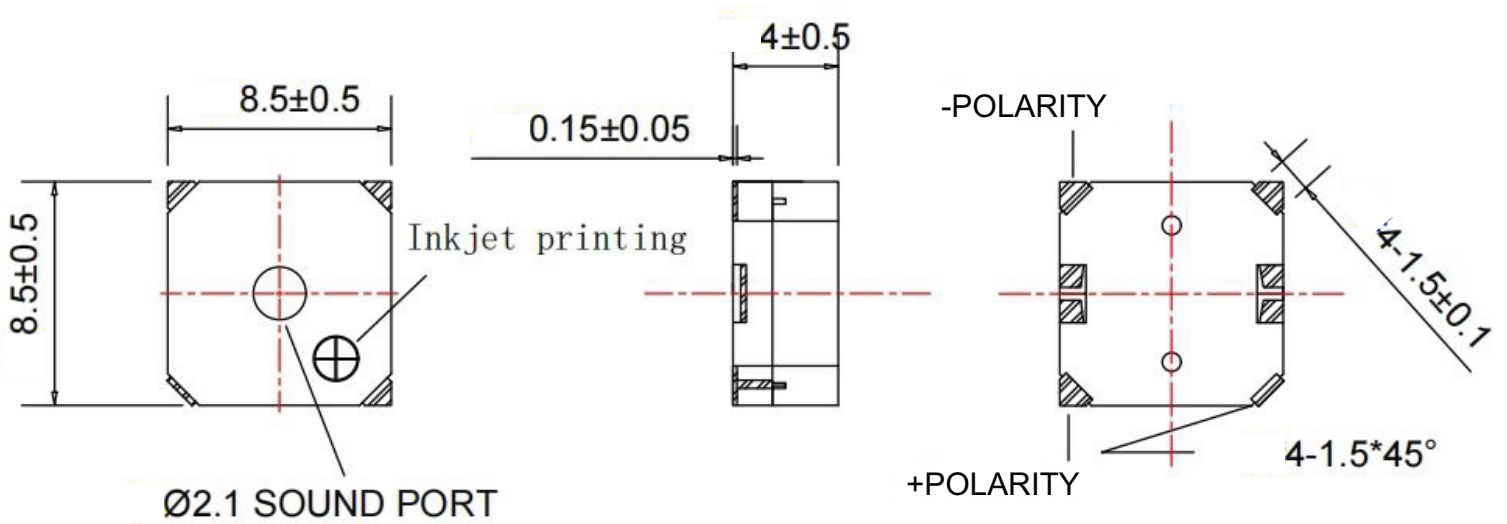
| parameter | conditions/description | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage | at relative humidity <40% | | | 25 | °C |
| reflow soldering ² | see recommended reflow soldering profile | | 260 | | °C |
| drying conditions ³ | bake at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

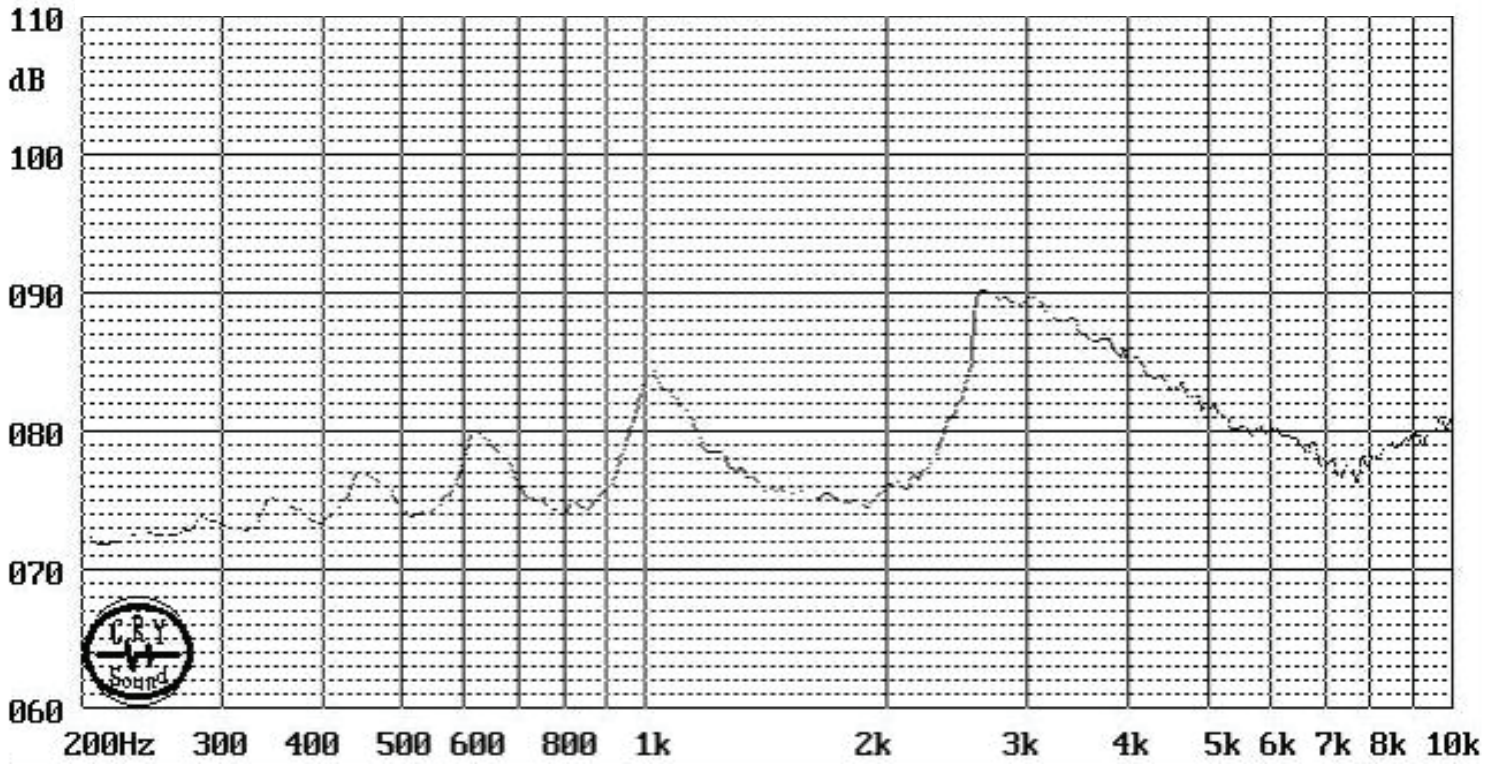


MECHANICAL DRAWING

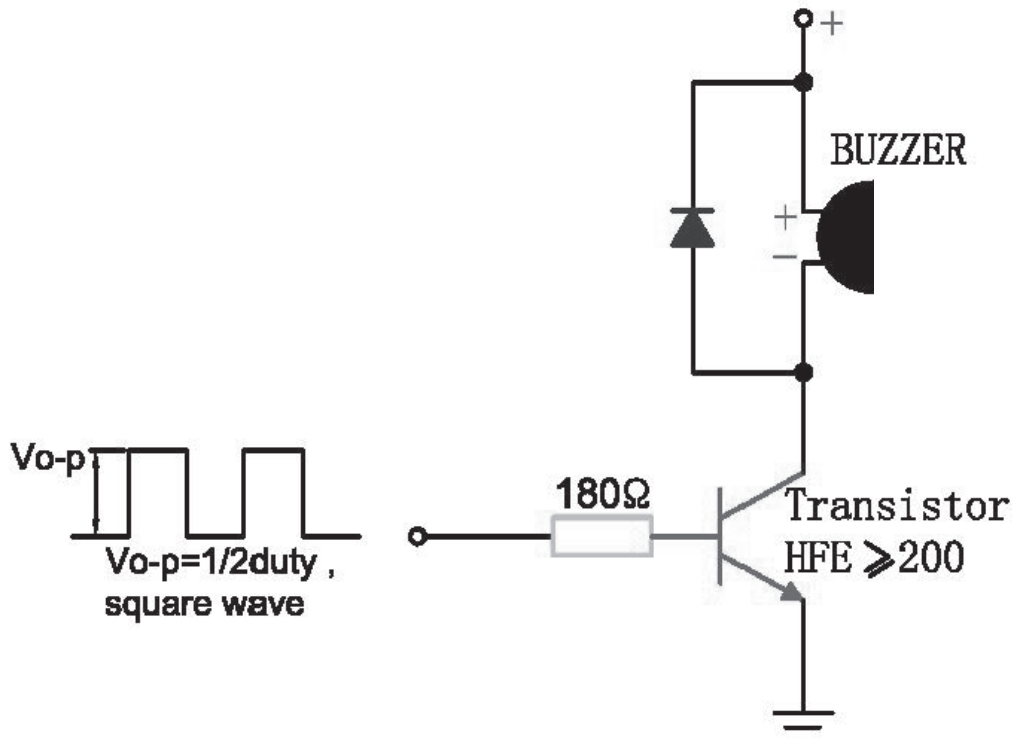
units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



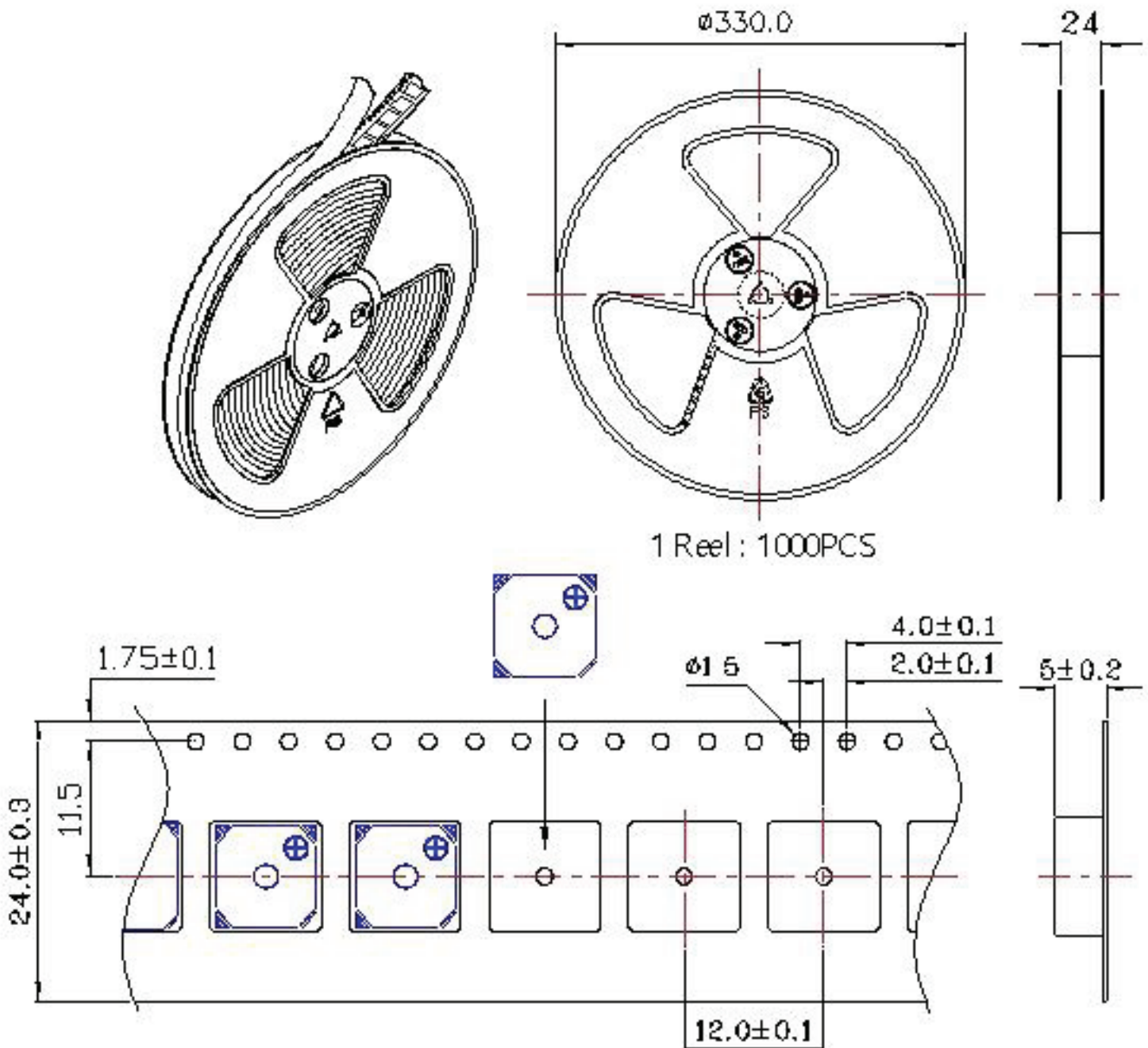
APPLICATION CIRCUIT



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



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 09/12/2024 |

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



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

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