

**MODEL:** CMT-8530S-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- low profile
- washable
- rated frequency of 2730 Hz

**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min | typ   | max | units |
|-----------------------|-----------------------------------------------------------------------------------|-----|-------|-----|-------|
| rated voltage         |  |     | 3.6   |     | Vo-p  |
| operating voltage     |                                                                                   | 3.0 |       | 5.0 | Vo-p  |
| current consumption   | at rated voltage, 2,730 Hz square wave, ½ duty                                    |     |       | 90  | mA    |
| rated frequency       |                                                                                   |     | 2,730 |     | Hz    |
| sound pressure level  | at 10 cm (A-weight), rated voltage, 2,730 Hz square wave, ½ duty                  | 87  | 90    |     | dBA   |
| coil resistance       |                                                                                   | 13  | 16    | 19  | Ω     |
| dimensions            | 8.5 x 8.5 x 3.0                                                                   |     |       |     | mm    |
| weight                |                                                                                   |     | 0.8   |     | g     |
| material              | LCP                                                                               |     |       |     |       |
| terminal              | SMT type (Au plating)                                                             |     |       |     |       |
| operating temperature |                                                                                   | -30 |       | 75  | °C    |
| storage temperature   |                                                                                   | -40 |       | 85  | °C    |
| RoHS                  | yes                                                                               |     |       |     |       |

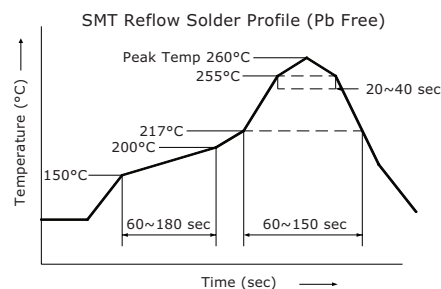
Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <60%                |     |     | 30  | °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                |     |     |     |       |

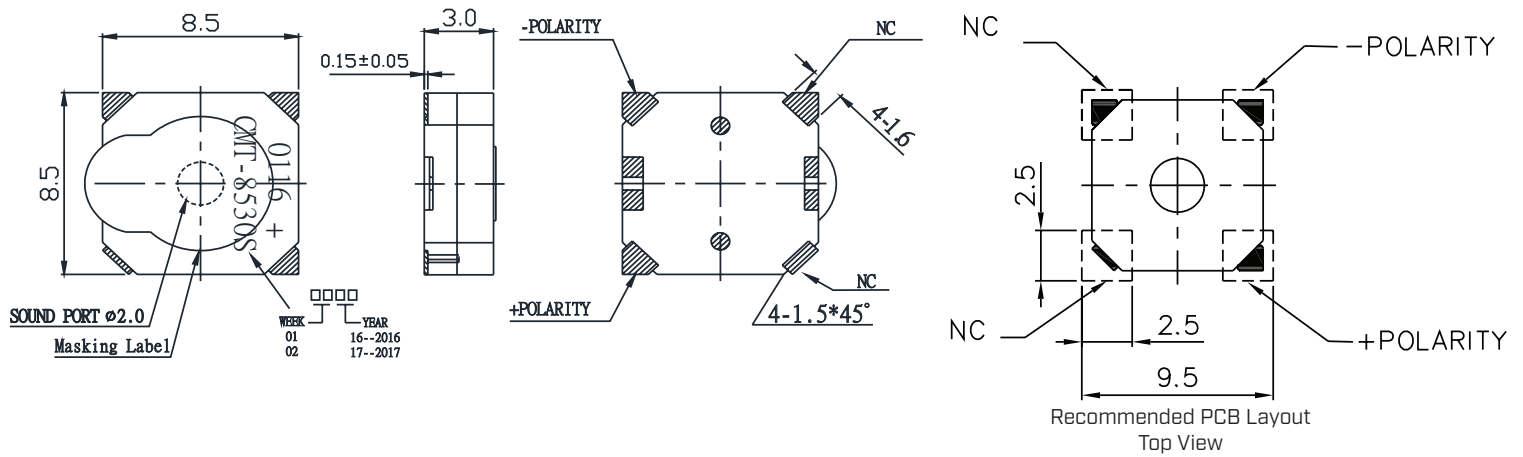
Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.

3. When out of packaging for more than 48 hours.

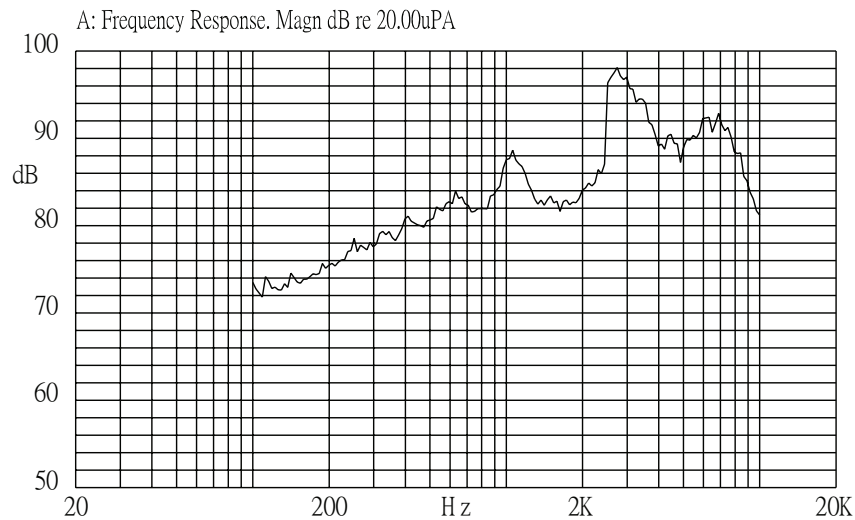


## MECHANICAL DRAWING

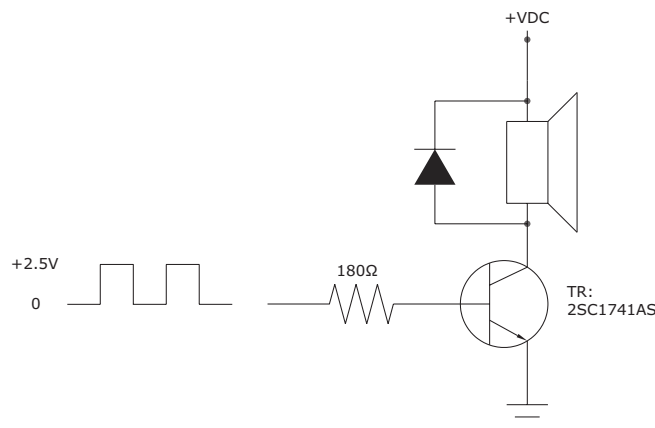
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



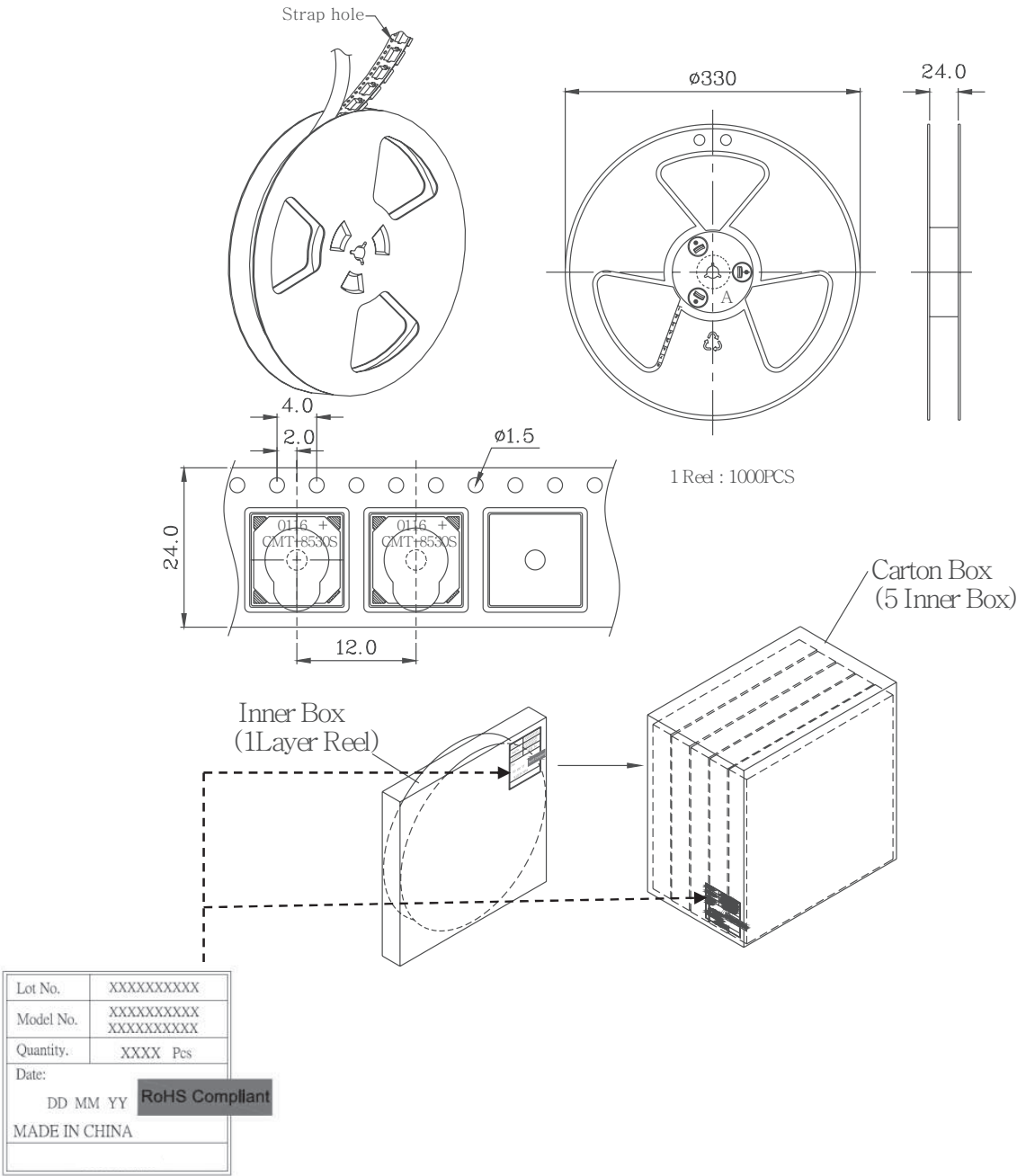
## MEASUREMENT METHOD



PACKAGING

units: mm

Reel Size: Ø330 mm  
Carton Size: 175 x 355 x 350 mm  
Reel QTY: 1,000 pcs per reel  
Carton QTY: 5,000 pcs per carton



REVISION HISTORY

| rev. | description                         | date       |
|------|-------------------------------------|------------|
| 1.0  | initial release                     | 03/31/2016 |
| 1.01 | added storage and drying conditions | 07/26/2019 |
| 1.02 | brand update                        | 11/22/2019 |
| 1.03 | added tape dimensions to packaging  | 01/13/2021 |
| 1.04 | logo, datasheet style update        | 08/05/2022 |
| 1.05 | CUI Devices rebranded to Same Sky   | 09/11/2024 |

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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