

**MODEL:** CSS-0575B-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- small form factor
- side sound port
- externally driven

**SPECIFICATIONS**

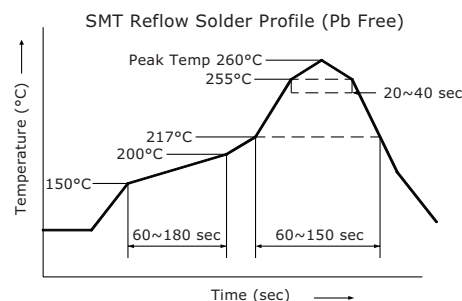
| parameter             | conditions/description                                                            | min | typ   | max | units |
|-----------------------|-----------------------------------------------------------------------------------|-----|-------|-----|-------|
| rated voltage         |  |     | 3     |     | Vo-p  |
| operating voltage     |                                                                                   | 2   |       | 4   | Vo-p  |
| current consumption   | at rated voltage, 4,000 Hz square wave, ½ duty                                    |     |       | 110 | mA    |
| rated frequency       |                                                                                   |     | 4,000 |     | Hz    |
| sound pressure level  | at 10 cm [A-weight], rated voltage, 4,000 Hz square wave, ½ duty                  | 75  |       |     | dBA   |
| coil resistance       |                                                                                   | 9   | 12    | 15  | Ω     |
| dimensions            | 5 x 5 x 2.7                                                                       |     |       |     | mm    |
| weight                |                                                                                   |     | 0.3   |     | g     |
| material              | LCP (black)                                                                       |     |       |     |       |
| terminal              | SMT type [Sn plating]                                                             |     |       |     |       |
| operating temperature |                                                                                   | -30 |       | 70  | °C    |
| storage temperature   |                                                                                   | -40 |       | 80  | °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**

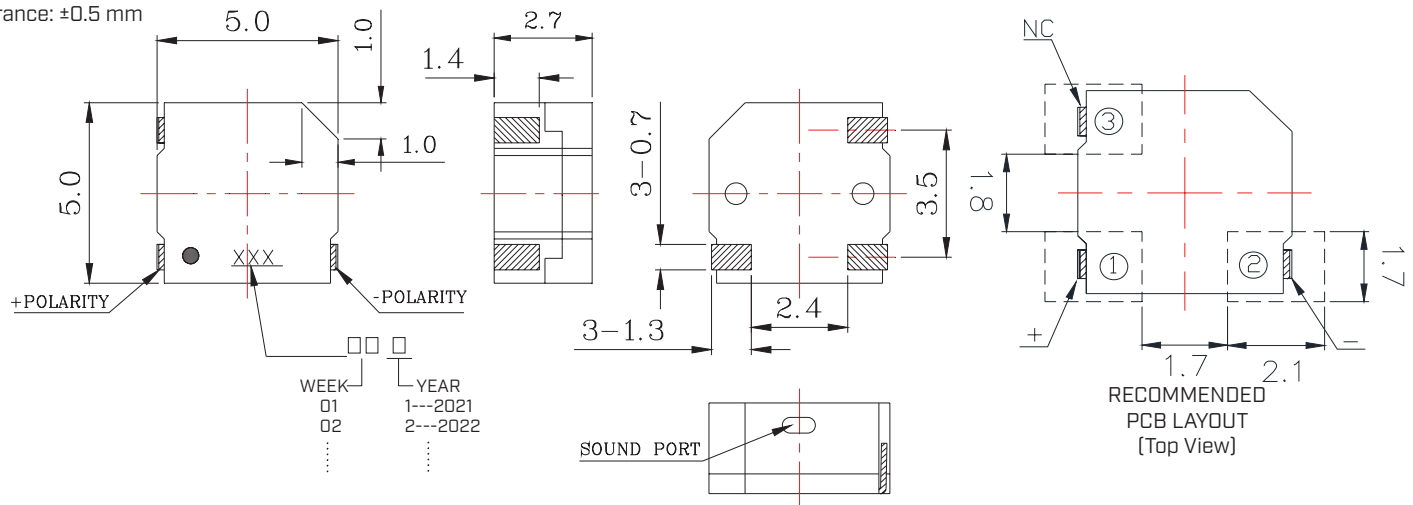
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <40%                |     |     | 25  | °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%.  
3. When out of packaging for more than 48 hours.

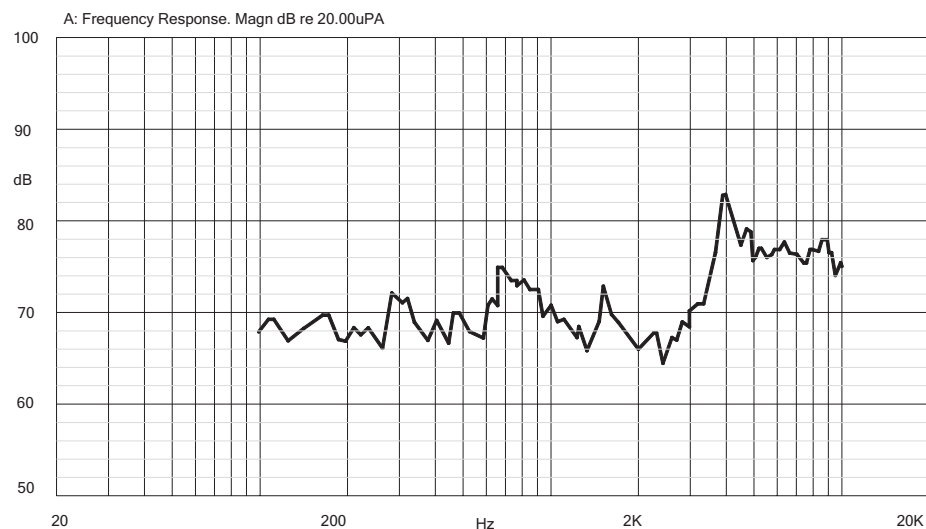


## MECHANICAL DRAWING

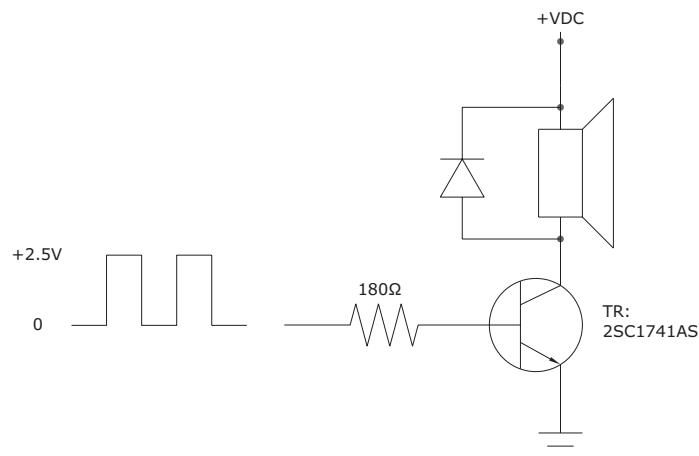
units: mm

tolerance:  $\pm 0.5$  mm

## FREQUENCY RESPONSE CURVE



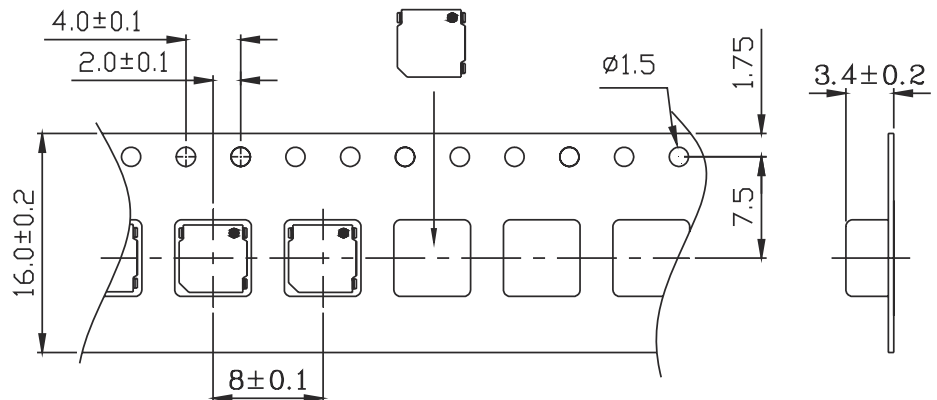
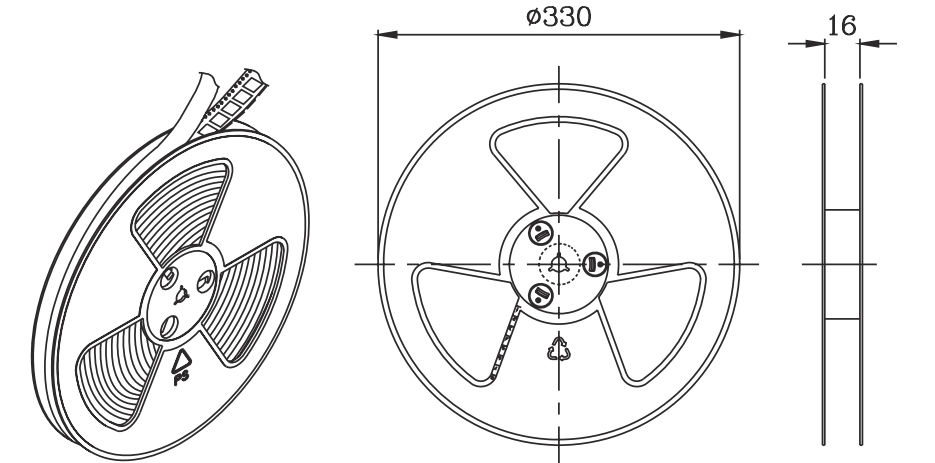
## MEASUREMENT METHOD



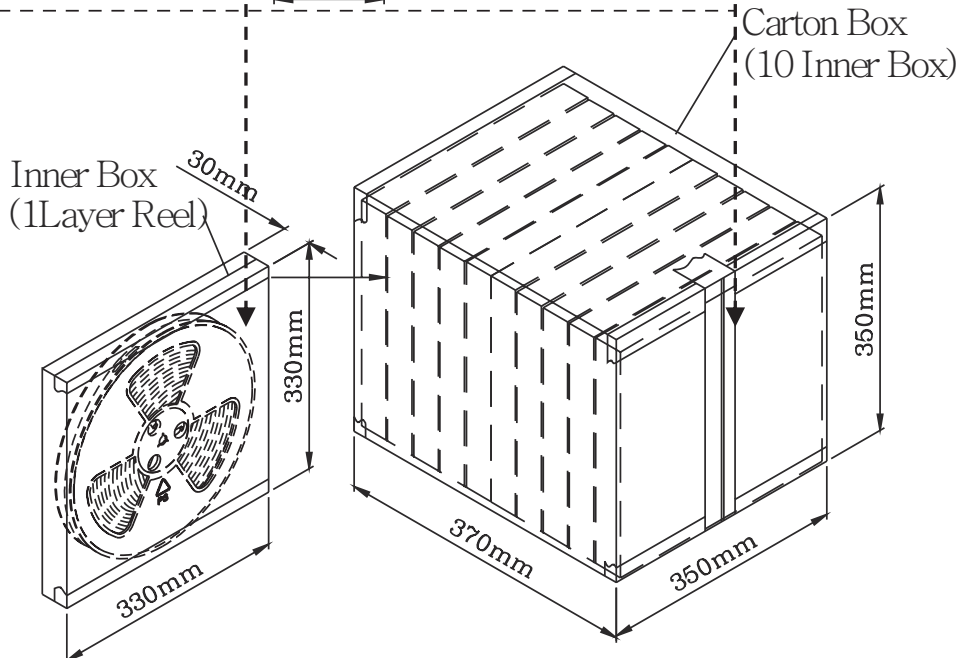
## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm  
 Inner Box Size: 330 x 330 x 30 mm  
 Carton Size: 370 x 350 x 350 mm  
 Reel QTY: 2,500 pcs per reel  
 Carton QTY: 25,000 pcs per carton



|           |               |
|-----------|---------------|
| Lot No.   | XXXXXXXXXX    |
| Model No. | XXXXXXXXXX    |
| Quantity. | XXXX Pcs      |
| Date:     | DD MM YY      |
|           | MADE IN CHINA |
|           | G             |



\* The label stuck on inner boxes and the outer of carton.

## REVISION HISTORY

| rev. | description                                                              | date       |
|------|--------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                          | 07/16/2010 |
| 1.01 | updated part number, added TR package option, applied new spec template  | 05/03/2013 |
| 1.02 | added storage and drying conditions, and tape and reel packaging details | 07/25/2019 |
| 1.03 | brand update                                                             | 01/06/2020 |
| 1.04 | logo, datasheet style update                                             | 08/05/2022 |

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



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