

**MODEL:** CSS-73B16K-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- surface mount
- side sound port
- externally driven

**SPECIFICATIONS**

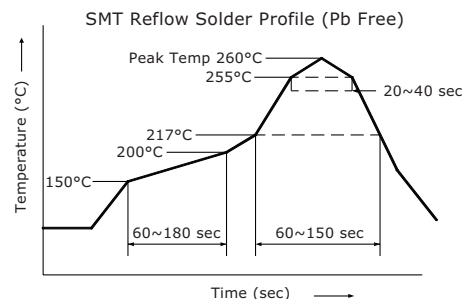
| parameter             | conditions/description                                                            | min  | typ   | max  | units |
|-----------------------|-----------------------------------------------------------------------------------|------|-------|------|-------|
| rated voltage         |  |      | 3.6   |      | Vo-p  |
| operating voltage     |                                                                                   | 2.5  |       | 4.5  | Vo-p  |
| current consumption   | at rated voltage, 2,730 Hz square wave, ½ duty                                    |      |       | 100  | mA    |
| rated frequency       |                                                                                   |      | 2,730 |      | Hz    |
| sound pressure level  | at 10 cm (A-weight), rated voltage, 2,730 Hz square wave, ½ duty                  | 87   | 92    |      | dBA   |
| coil resistance       |                                                                                   | 13.6 | 16    | 18.4 | Ω     |
| dimensions            | 8.5 x 8.5 x 4                                                                     |      |       |      | mm    |
| weight                |                                                                                   |      | 0.6   |      | g     |
| material              | LCP (white)                                                                       |      |       |      |       |
| terminal              | SMT type (Au plating)                                                             |      |       |      |       |
| operating temperature |                                                                                   | -30  |       | 70   | °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**

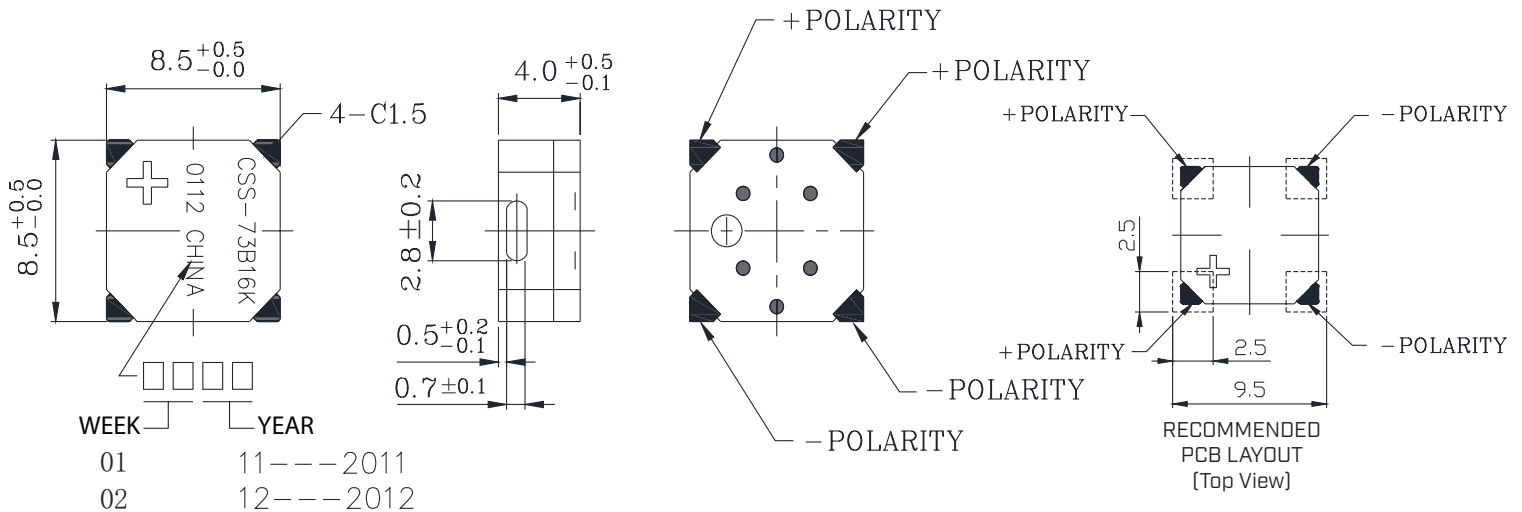
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <60%                |     |     | 30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

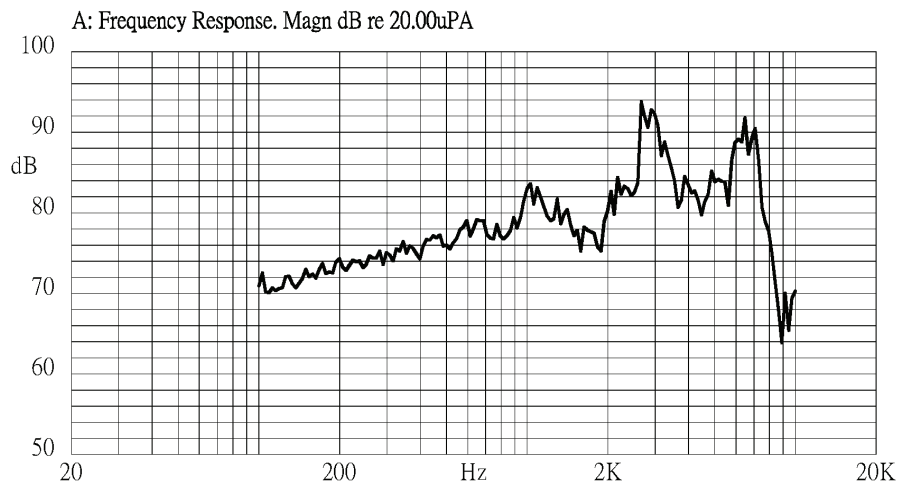


## MECHANICAL DRAWING

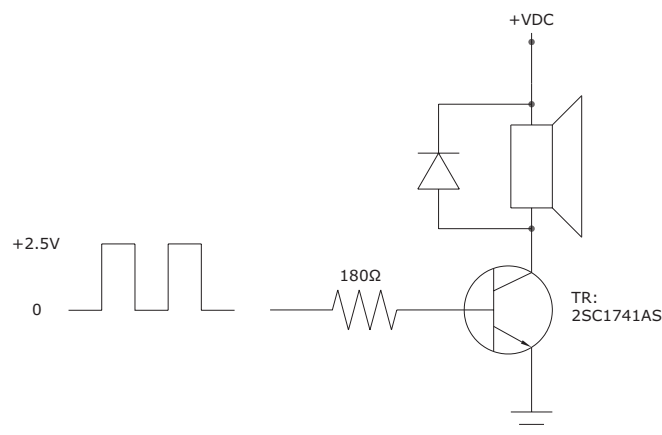
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



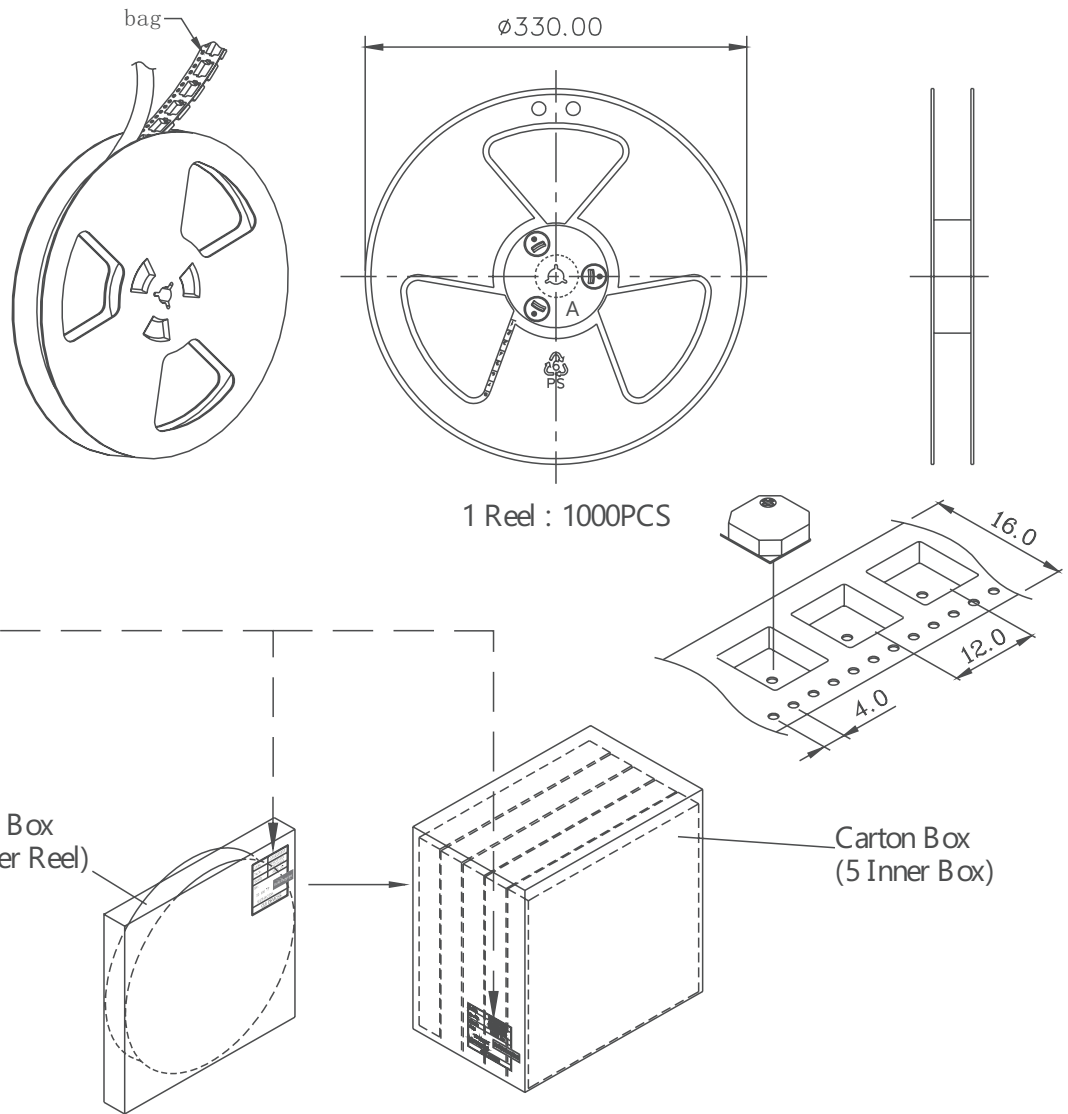
## MEASUREMENT METHOD



## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm  
Inner Box Size: 340 x 340 x 33 mm  
Carton Size: 350 x 175 x 355 mm  
Reel QTY: 1,000 pcs per reel  
Carton QTY: 5,000 pcs per carton



|               |                          |
|---------------|--------------------------|
| Lot No.       | XXXXXXXXXX               |
| Part No.      | XXXXXXXXXX<br>XXXXXXXXXX |
| Quantity.     | XXXX Pcs                 |
| Date:         | DD MM YY                 |
| MADE IN CHINA |                          |

## REVISION HISTORY

| rev. | description                                                              | date       |
|------|--------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                          | 03/31/2006 |
| 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 | 08/01/2019 |
| 1.03 | brand update                                                             | 01/06/2020 |
| 1.04 | modified housing base                                                    | 03/22/2021 |
| 1.05 | 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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