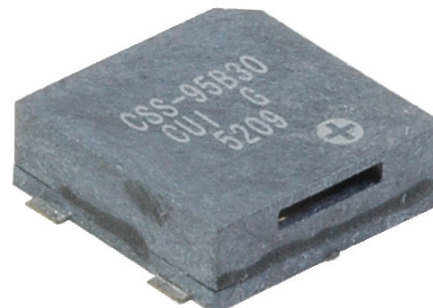
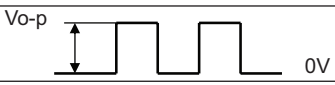


**MODEL:** CSS-95B30-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- surface mount
- side sound port
- externally driven

**SPECIFICATIONS**

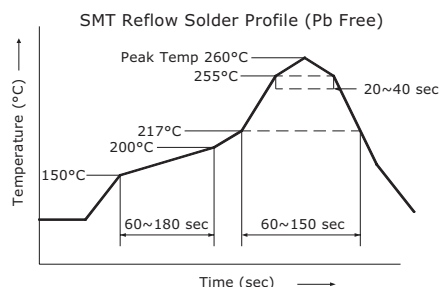
| parameter             | conditions/description                                                                 | min | typ   | max | units              |
|-----------------------|----------------------------------------------------------------------------------------|-----|-------|-----|--------------------|
| rated voltage         |  Vo-p |     | 5     |     | Vo-p               |
| operating voltage     |                                                                                        | 4   |       | 7   | Vo-p               |
| current consumption   | at rated voltage, 2,700 Hz square wave, 1/2 duty                                       |     |       | 80  | mA                 |
| rated frequency       |                                                                                        |     | 2,700 |     | Hz                 |
| sound pressure level  | at 10 cm (A-weight), rated voltage, 2,700 Hz square wave, 1/2 duty                     | 92  | 95    |     | dBA                |
| coil resistance       |                                                                                        | 27  | 30    | 33  | $\Omega$           |
| dimensions            | 10 x 10 x 3.2                                                                          |     |       |     | mm                 |
| weight                |                                                                                        |     | 0.8   |     | g                  |
| material              | LCP (black)                                                                            |     |       |     |                    |
| terminal              | SMT type (Sn plating)                                                                  |     |       |     |                    |
| operating temperature |                                                                                        | -20 |       | 70  | $^{\circ}\text{C}$ |
| storage temperature   |                                                                                        | -40 |       | 85  | $^{\circ}\text{C}$ |
| RoHS                  | yes                                                                                    |     |       |     |                    |

Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

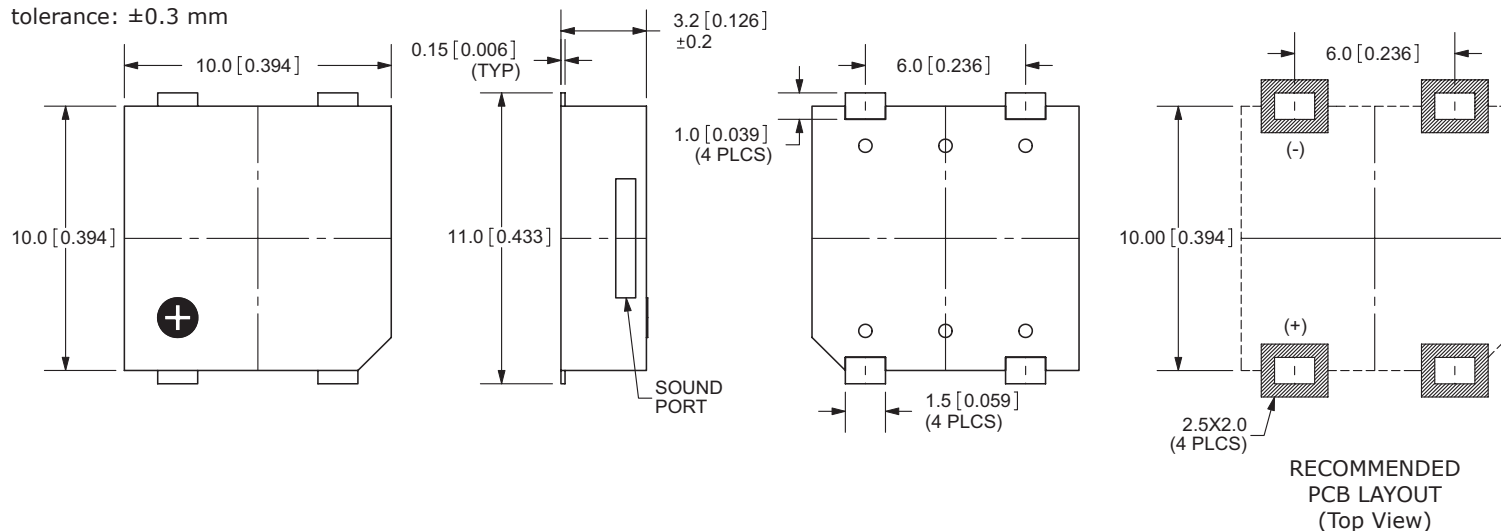
| parameter                      | conditions/description                     | min | typ | max | units              |
|--------------------------------|--------------------------------------------|-----|-----|-----|--------------------|
| reel storage                   | at relative humidity <40%                  |     |     | 25  | $^{\circ}\text{C}$ |
| reflow soldering <sup>2</sup>  | see recommended reflow soldering profile   |     |     | 260 | $^{\circ}\text{C}$ |
| drying conditions <sup>3</sup> | bake at 40 $^{\circ}\text{C}$ for 24 hours |     |     |     |                    |

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30 $^{\circ}\text{C}$  & relative humidity <60%.  
3. When out of packaging for more than 48 hours.



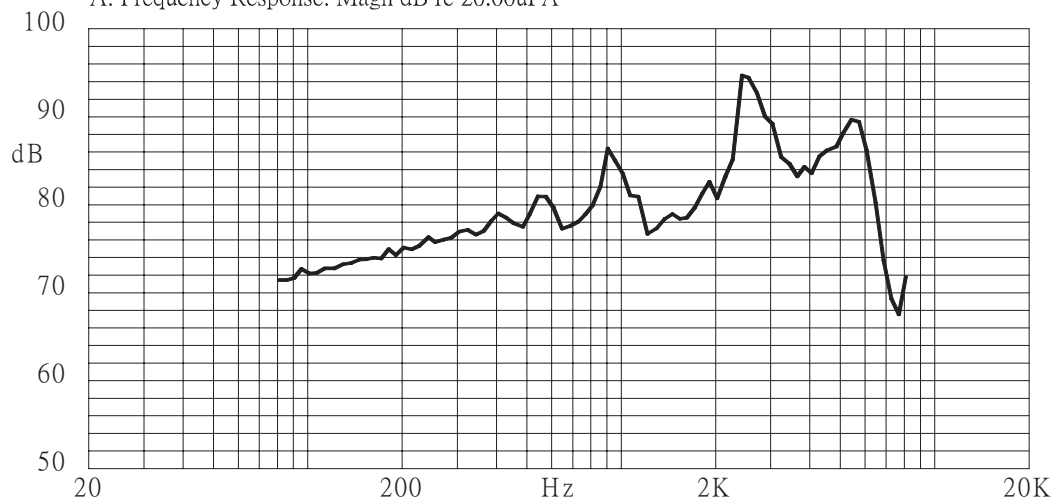
## MECHANICAL DRAWING

units: mm

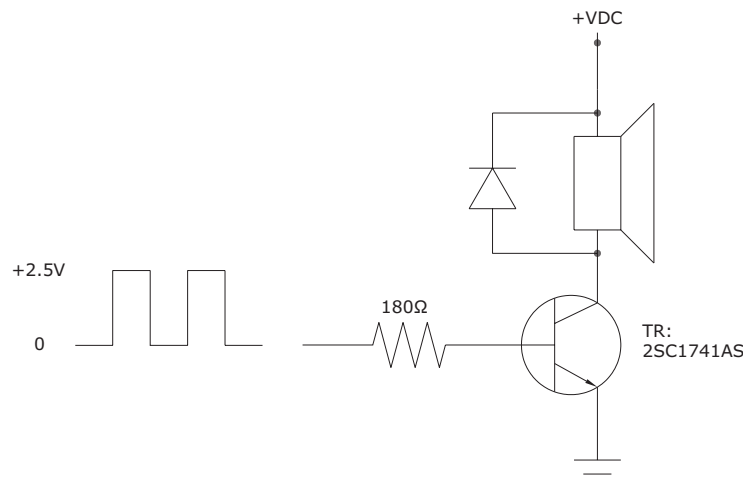
tolerance:  $\pm 0.3$  mm

## FREQUENCY RESPONSE CURVE

A: Frequency Response. Magn dB re 20.00uPA



## MEASUREMENT METHOD



## PACKAGING

units: mm

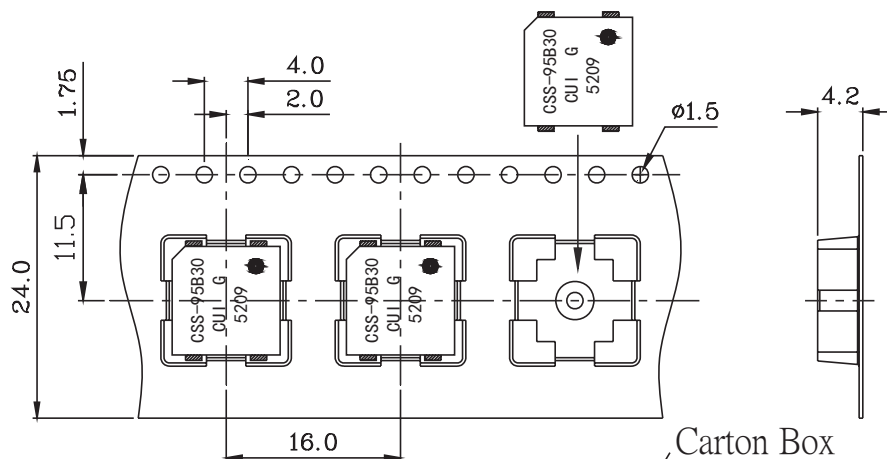
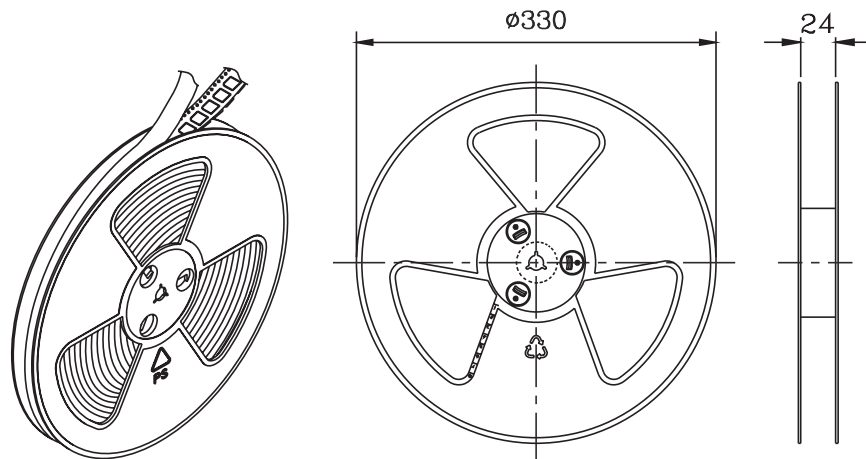
Reel Size: Ø330 mm

Inner Box Size: 330 x 330 x 30 mm

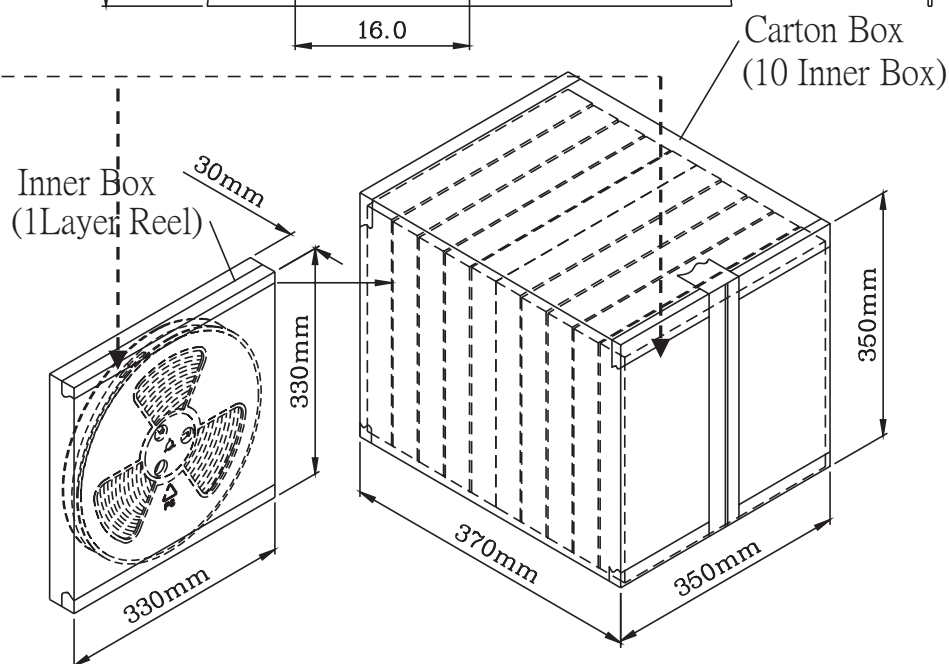
Carton Size: 370 x 350 x 350 mm

Reel QTY: 1,000 pcs per reel

Carton QTY: 10,000 pcs per carton



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



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

## REVISION HISTORY

| rev. | description                                                              | date       |
|------|--------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                          | 07/13/2010 |
| 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 | 07/26/2019 |
| 1.03 | brand update                                                             | 01/06/2020 |

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

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# CUI DEVICES

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

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