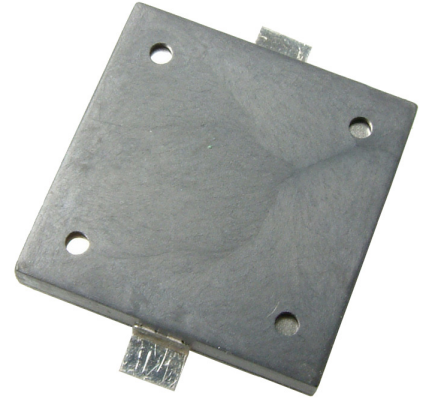


**MODEL:** CMT-1604-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- low current
- low profile
- externally driven

**SPECIFICATIONS**

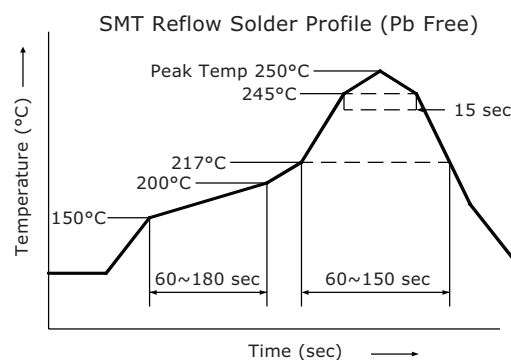
| parameter              | conditions/description                 | min    | typ    | max    | units |
|------------------------|----------------------------------------|--------|--------|--------|-------|
| operating voltage      |                                        |        |        | 25     | Vp-p  |
| current consumption    | at 3 Vp-p, 4,000 Hz square wave        |        |        | 5      | mA    |
| rated frequency        |                                        |        | 4,000  |        | Hz    |
| sound pressure level   | at 10 cm, 3 Vp-p, 4,000 Hz square wave | 81     |        |        | dB    |
| electrostatic capacity | at 1 KHz, 1 V                          | 14,000 | 20,000 | 26,000 | pF    |
| dimensions             | 16 x 16 x 2.6                          |        |        |        | mm    |
| weight                 |                                        |        | 0.96   |        | g     |
| material               | LCP (white) + PCB (FR4)                |        |        |        |       |
| terminal               | SMT type (Au plating)                  |        |        |        |       |
| operating temperature  |                                        | -40    |        | 120    | °C    |
| storage temperature    |                                        | -40    |        | 120    | °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**

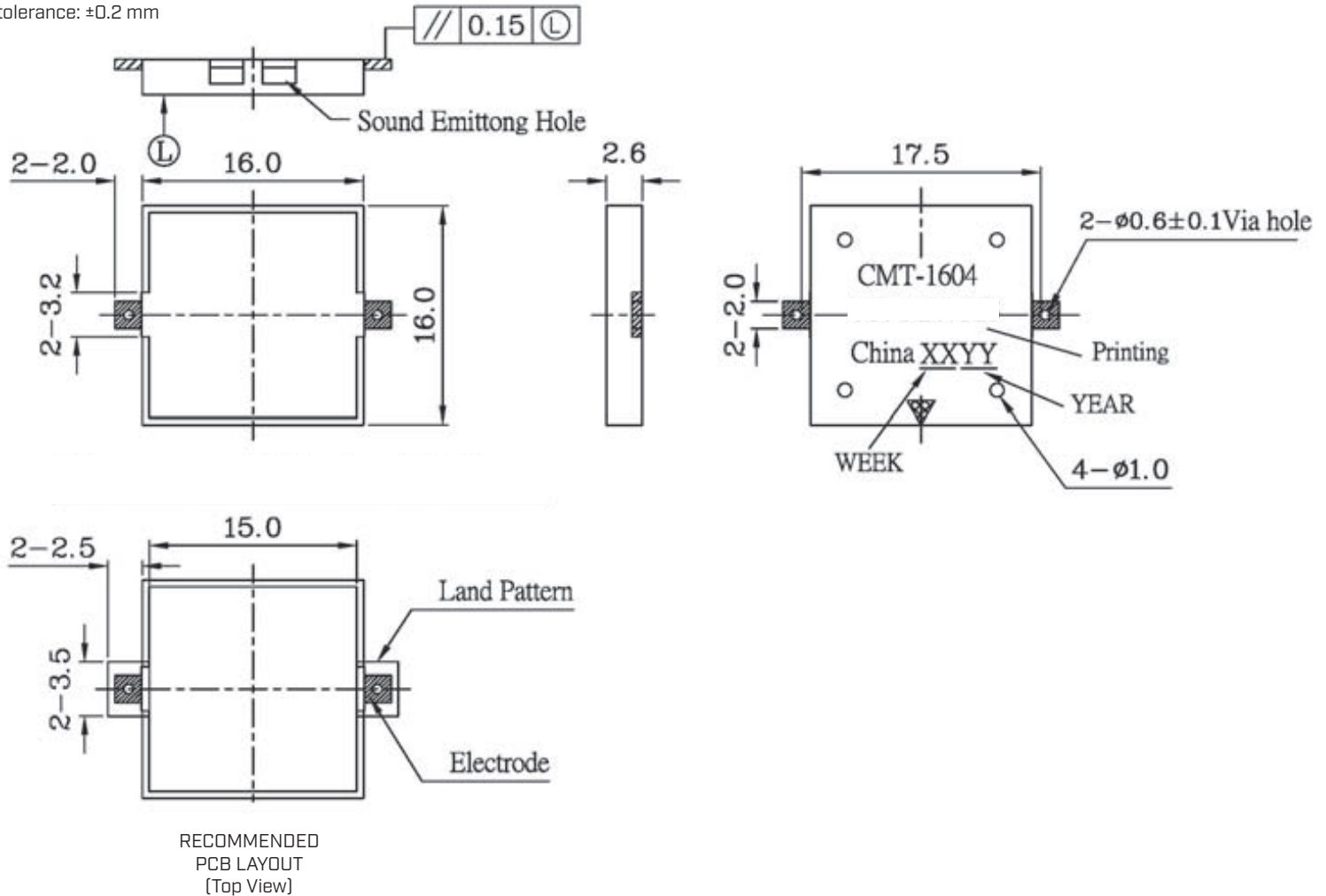
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <60%                |     |     | 30  | °C    |
| reflow soldering <sup>2</sup>  | see recommended reflow soldering profile |     |     | 250 | °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.

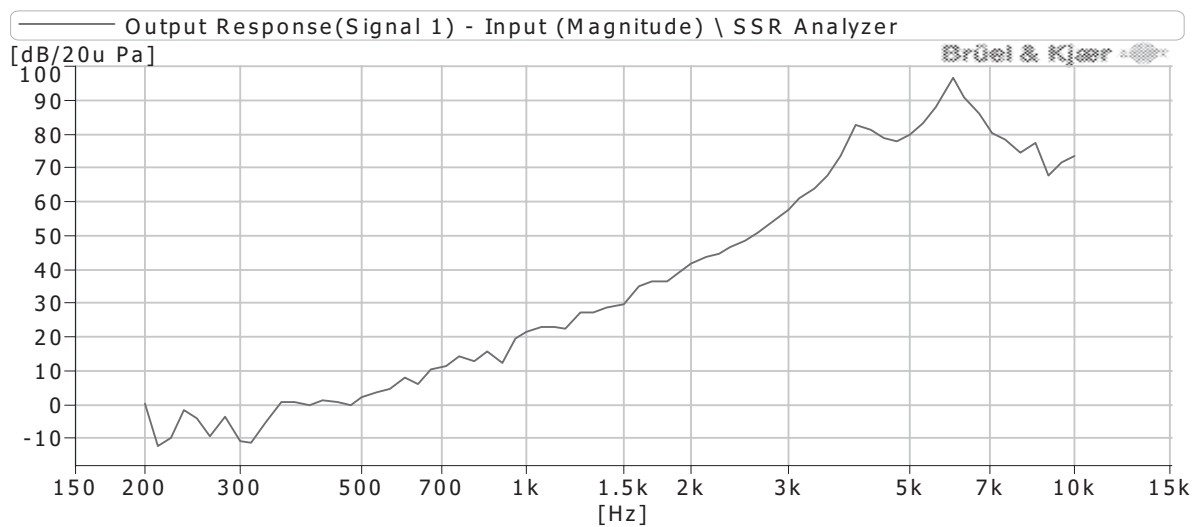


## MECHANICAL DRAWING

units: mm

tolerance:  $\pm 0.2$  mm

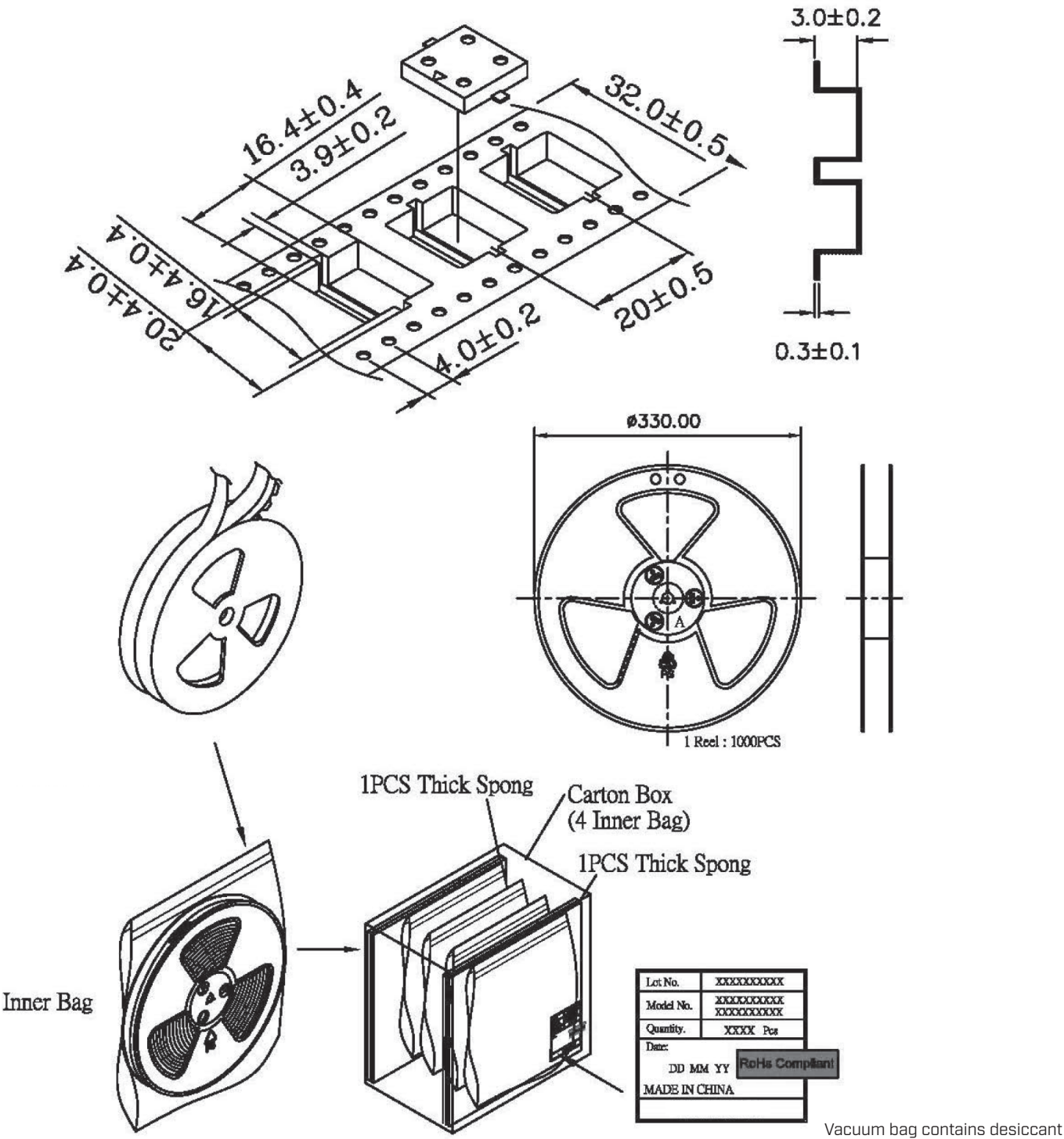
## FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Reel Size: Ø330 mm  
Carton Size: 340 x 170 x 340 mm  
Reel QTY: 1,000 pcs per reel  
Carton QTY: 4,000 pcs per carton



## REVISION HISTORY

| rev. | description                                                              | date       |
|------|--------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                          | 07/15/2010 |
| 1.01 | updated part number, added TR package option, applied new spec template  | 05/13/2013 |
| 1.02 | added storage and drying conditions, and tape and reel packaging details | 02/01/2018 |
| 1.03 | brand update                                                             | 01/06/2020 |
| 1.04 | updated packaging                                                        | 10/23/2020 |
| 1.05 | logo, datasheet style update                                             | 08/05/2022 |
| 1.06 | 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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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