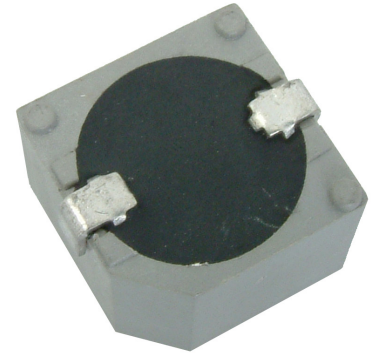


**MODEL:** CT-1205H-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- washable
- top sound port
- externally driven

**SPECIFICATIONS**

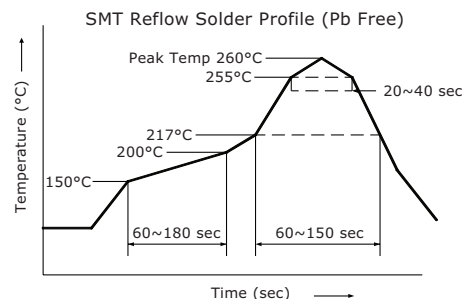
| parameter             | conditions/description                                                                 | min | typ   | max | units |
|-----------------------|----------------------------------------------------------------------------------------|-----|-------|-----|-------|
| rated voltage         | Vo-p  |     | 5     |     | Vo-p  |
| operating voltage     |                                                                                        | 3   |       | 7   | Vo-p  |
| current consumption   | at rated voltage, 2,400 Hz square wave, ½ duty                                         |     |       | 60  | mA    |
| rated frequency       |                                                                                        |     | 2,400 |     | Hz    |
| sound pressure level  | at 10 cm [A-weight], rated voltage, 2,400 Hz square wave, ½ duty                       | 88  | 92    |     | dBA   |
| coil resistance       |                                                                                        | 40  | 47    | 54  | Ω     |
| dimensions            | 12.8 x 12.8 x 10                                                                       |     |       |     | mm    |
| weight                |                                                                                        |     | 2     |     | g     |
| material              | PPS [S-206]                                                                            |     |       |     |       |
| terminal              | SMT type [Sn 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**

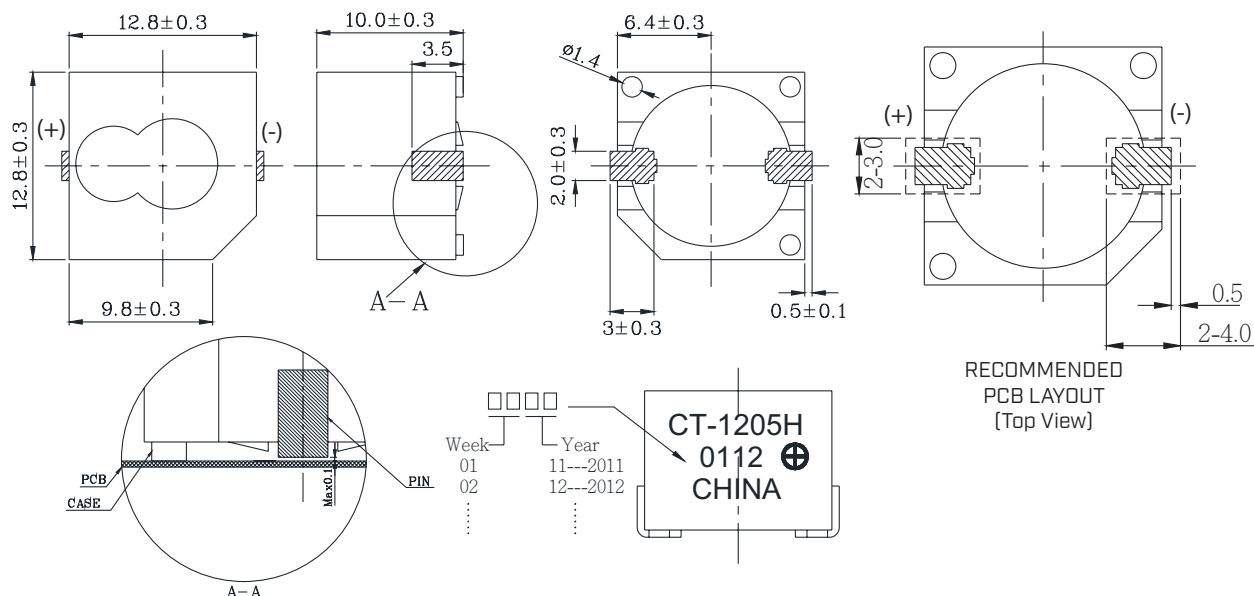
| parameter                      | conditions/description                   | min | typ | max | units |
|--------------------------------|------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <40%                |     |     | 25  | °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.

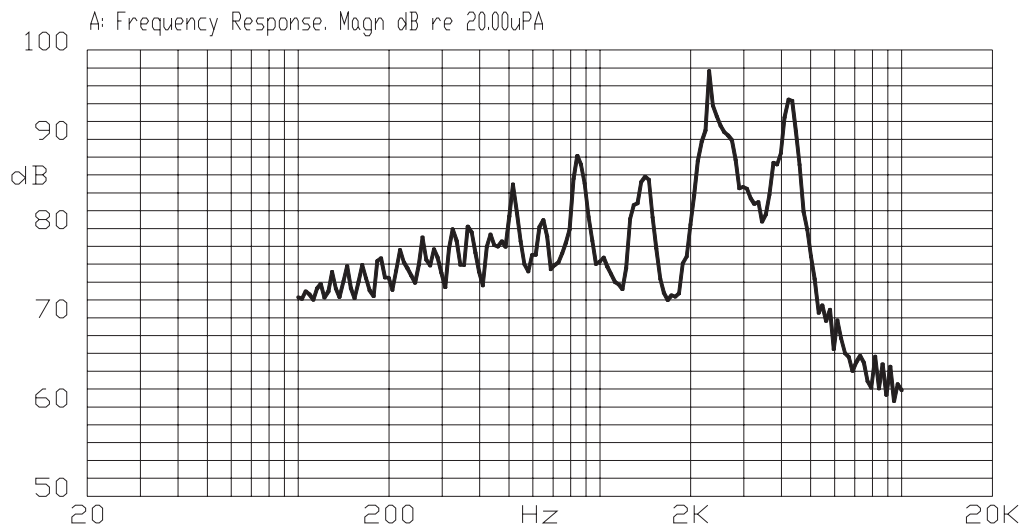


## MECHANICAL DRAWING

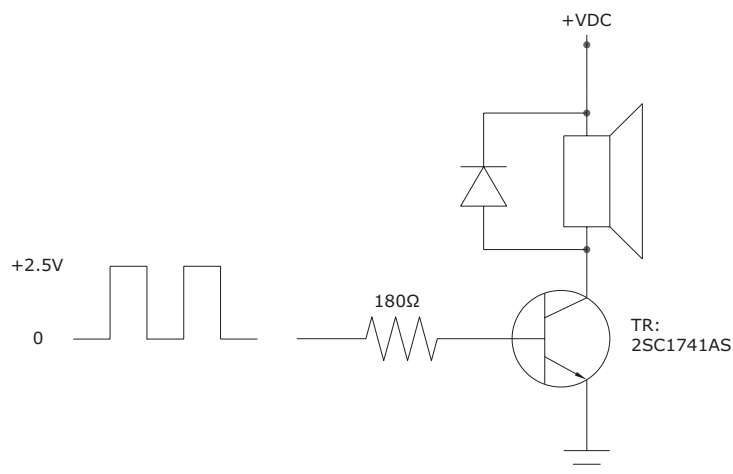
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## MEASUREMENT METHOD





## REVISION HISTORY

| rev. | description                                                              | date       |
|------|--------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                          | 05/01/2006 |
| 1.01 | applied new template                                                     | 10/20/2009 |
| 1.02 | updated part number, added TR package option, applied new spec template  | 05/03/2013 |
| 1.03 | added storage and drying conditions, and tape and reel packaging details | 07/31/2019 |
| 1.04 | brand update                                                             | 01/07/2020 |
| 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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