CUI INC®



# **MODEL:** CMT-1203-SMT | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

**FEATURES**
- low current
- side sound port
- externally driven


RoHS

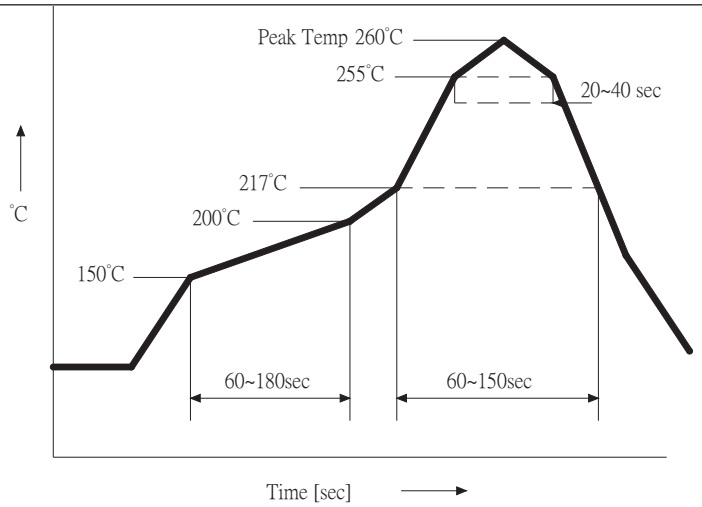
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| operating voltage | | | | 25 | Vp-p |
| current consumption | at 5 Vp-p, 4,000 Hz square wave | | | 5 | mA |
| rated frequency | | | 4,000 | | Hz |
| sound pressure level | at 10 cm, 5 Vp-p, 4,000 Hz square wave | 81 | | | dB |
| electrostatic capacity | at 120 Hz/1 V | 11,200 | 16,000 | 20,800 | pF |
| dimensions | 12 x 12 x 3 | | | | mm |
| weight | | | | 0.5 | g |
| material | L.C.P. (black) | | | | |
| terminal | SMT type (Sn plating) | | | | |
| operating temperature | | -40 | | 120 | °C |
| storage temperature | | -40 | | 120 | °C |
| RoHS | yes | | | | |

Note: Add suffix "-TR" to the model for tape & reel packaging

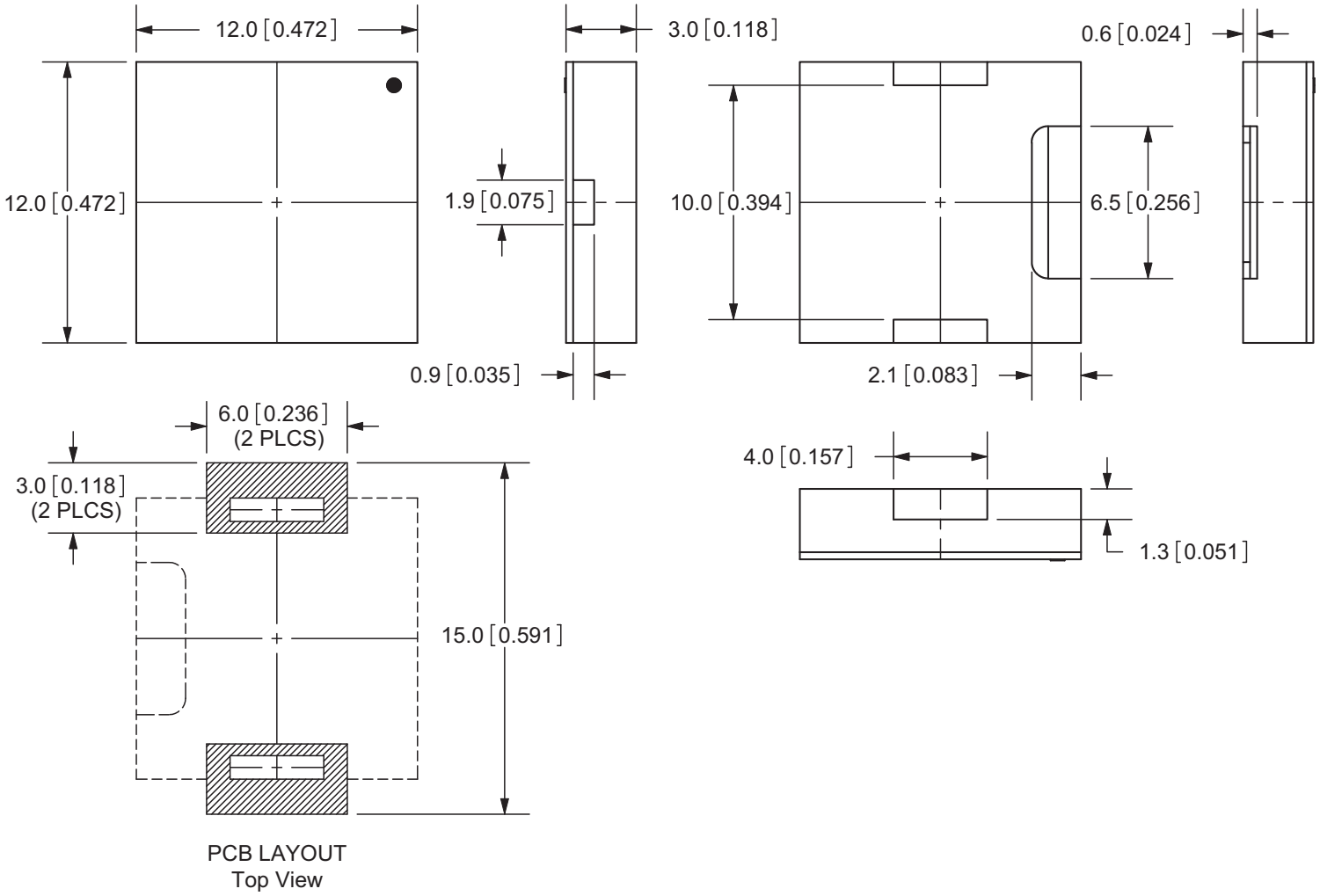
## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reflow soldering | see reflow solder profile | | | 260 | °C |



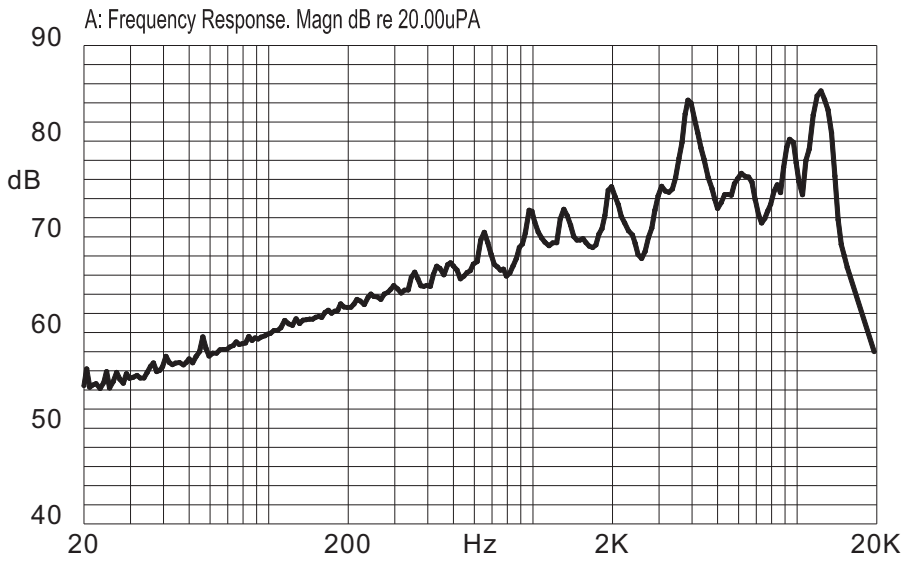
## MECHANICAL DRAWING

units: mm[inch]
tolerance: ±0.3 mm




PCB LAYOUT
Top View

## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 06/01/2010 |
| 1.01 | updated part number, added TR package option, applied new spec template | 05/03/2013 |

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

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