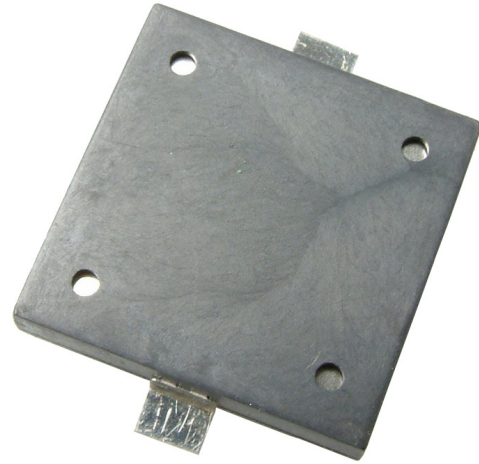


**MODEL:** CMT-1603-SMT | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

**FEATURES**

- low current
- low profile
- externally driven



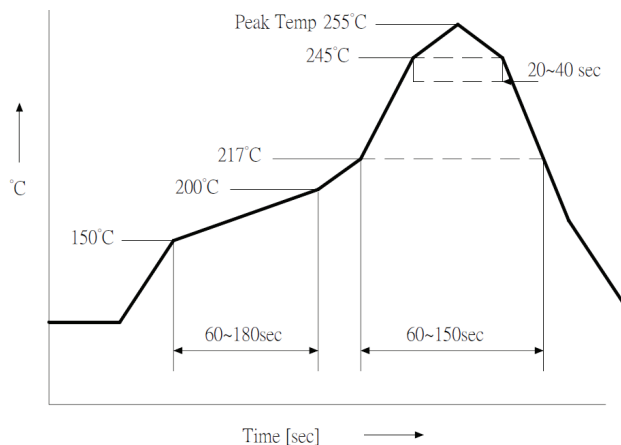
**SPECIFICATIONS**

| parameter              | conditions/description                 | min   | typ    | max    | units |
|------------------------|--|-------|--------|--------|-------|
| operating voltage      |  |       |        | 25     | Vp-p  |
| current consumption    | at 3 Vp-p, 4,000 Hz square wave        |       |        | 3      | mA    |
| rated frequency        |  |       | 4,000  |        | Hz    |
| sound pressure level   | at 10 cm, 3 Vp-p, 4,000 Hz square wave | 70    |        |        | dB    |
| electrostatic capacity | at 1 KHz/1 V                           | 9,800 | 14,000 | 18,200 | pF    |
| dimensions             | 16 x 16 x 2.6                          |       |        |        | mm    |
| weight                 |  |       |        | 0.96   | g     |
| material               | LCB (white) + PCB (FR4)                |       |        |        |       |
| terminal               | SMT type (Au plating)                  |       |        |        |       |
| operating temperature  |  | -30   |        | 70     | °C    |
| storage temperature    |  | -40   |        | 85     | °C    |
| RoHS                   | yes                                    |       |        |        |       |

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

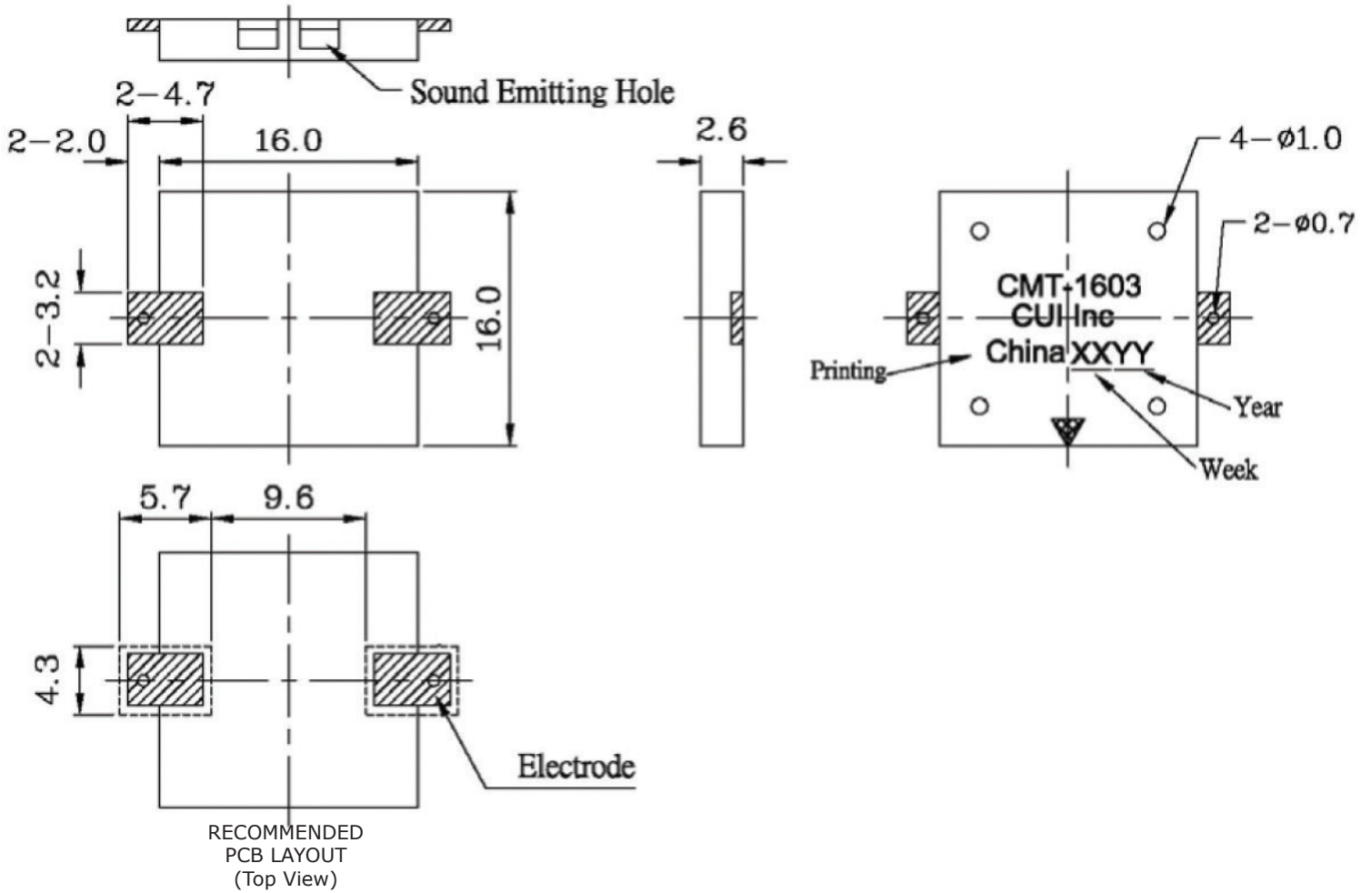
**SOLDERABILITY**

| parameter        | conditions/description    | min | typ | max | units |
|------------------|---------------------------|-----|-----|-----|-------|
| reflow soldering | see reflow solder profile |     |     | 255 | °C    |

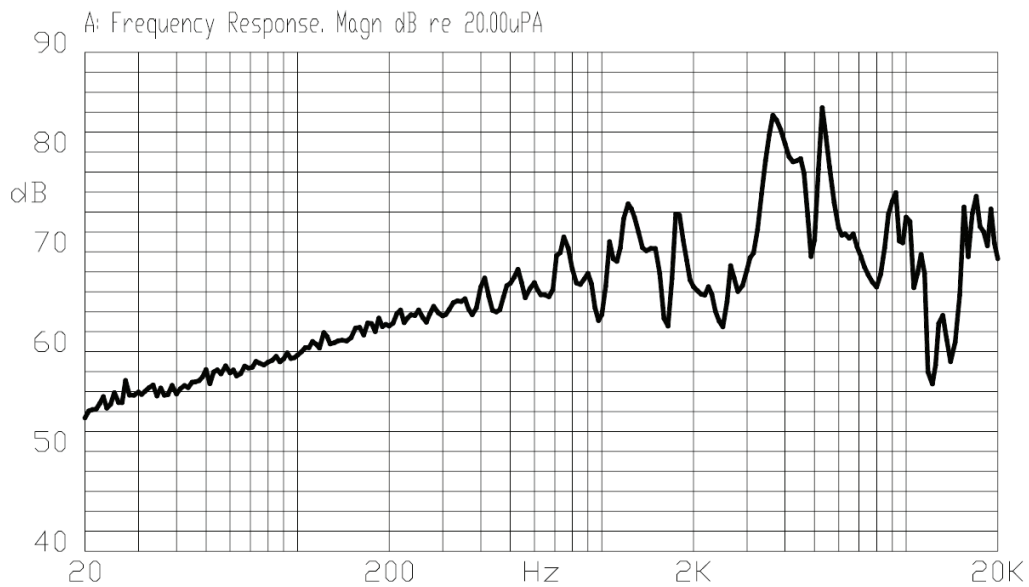


## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm



## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

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| rev. | description   | date       |
|------|---|------------|
| 1.0  | initial release   | 06/03/2005 |
| 1.01 | applied new template  | 09/19/2006 |
| 1.02 | updated part number, added TR package option, applied new spec template | 05/13/2013 |
| 1.03 | updated pin plating   | 05/24/2016 |

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



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

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