

## Excellent Integrated System Limited

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[CUI Inc.](#)  
[CMT-1604-SMT-TR](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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

**FEATURES**

- low current
- low profile
- externally driven



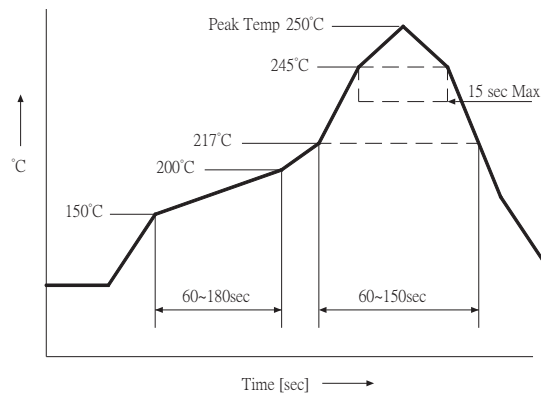
**SPECIFICATIONS**

| parameter              | conditions/description                 | min    | typ    | max    | units |
|------------------------|--|--------|--------|--------|-------|
| operating voltage      |  |        |        | 25     | Vp-p  |
| current consumption    | at 3 Vp-p, 4,000 Hz square wave        |        |        | 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                                    |        |        |        |       |

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

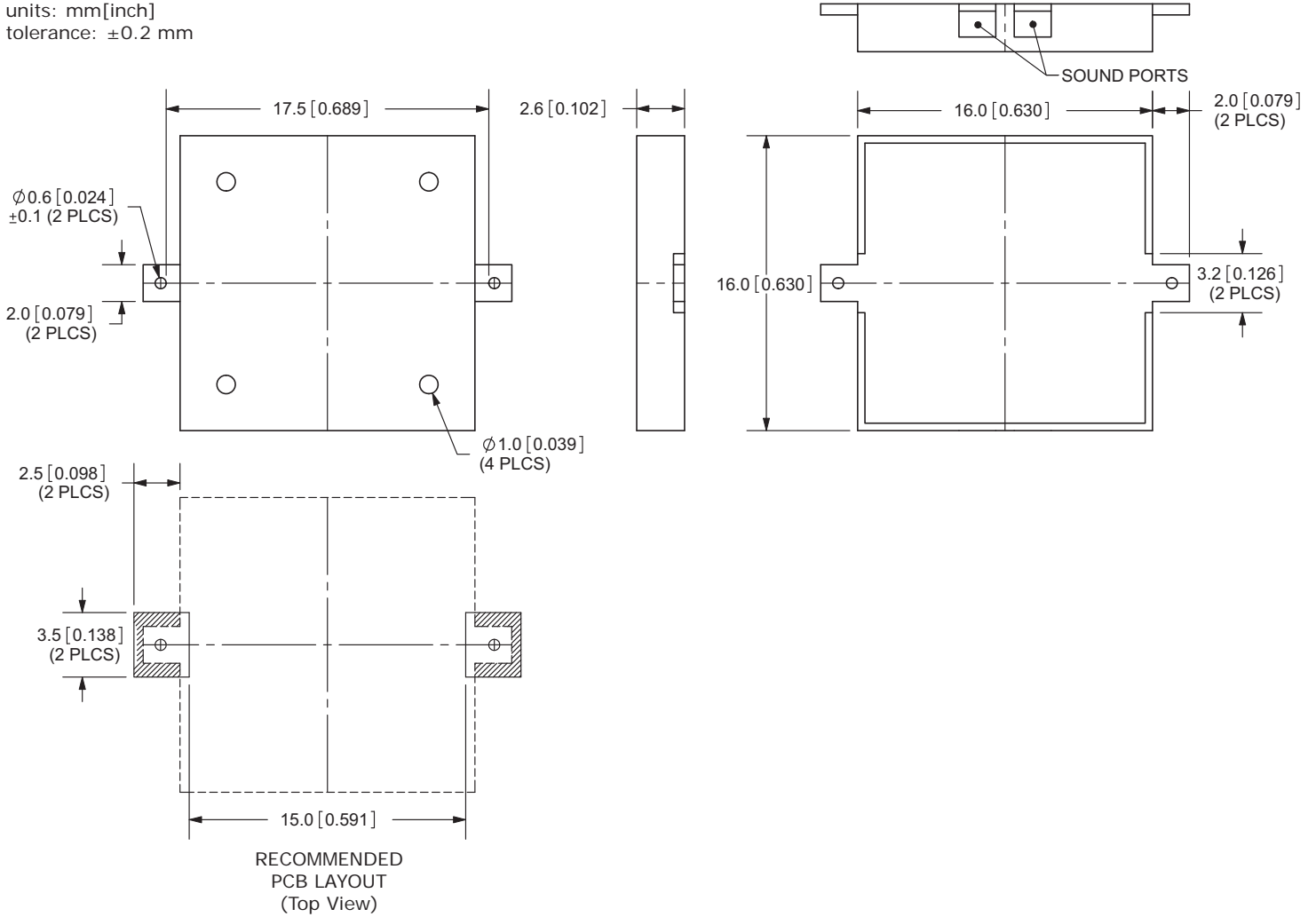
**SOLDERABILITY**

| parameter        | conditions/description    | min | typ | max | units |
|------------------|---------------------------|-----|-----|-----|-------|
| reflow soldering | see reflow solder profile |     |     | 250 | °C    |

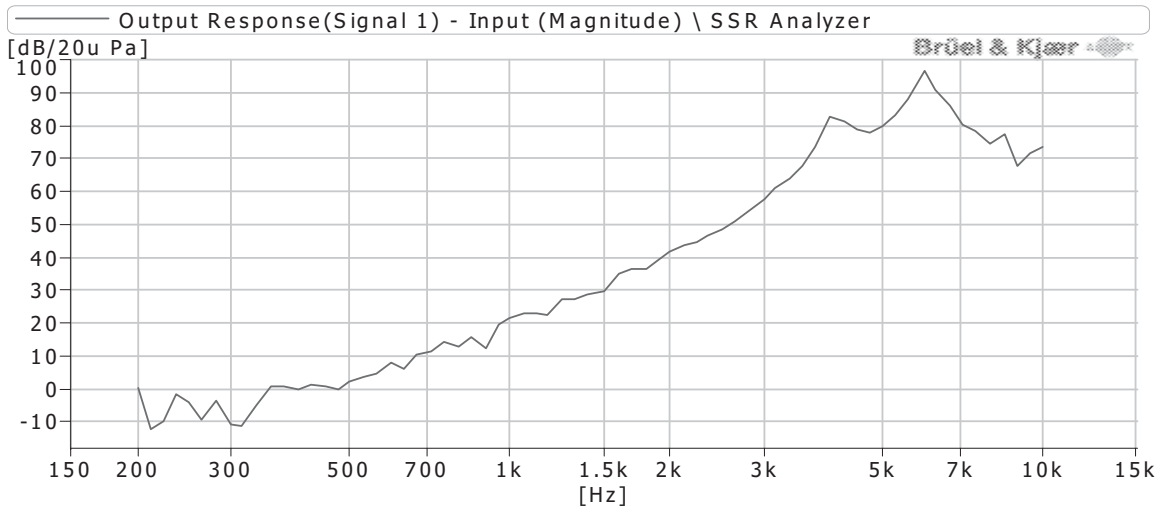


## MECHANICAL DRAWING

units: mm[inch]  
 tolerance:  $\pm 0.2$  mm



## FREQUENCY RESPONSE CURVE





## 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 |

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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CUI 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.