

**MODEL:** CPI-1762-90-SMT-TR | **DESCRIPTION:** PIEZO BUZZER INDICATOR**FEATURES**

- internally driven
- continuous tone
- surface mount

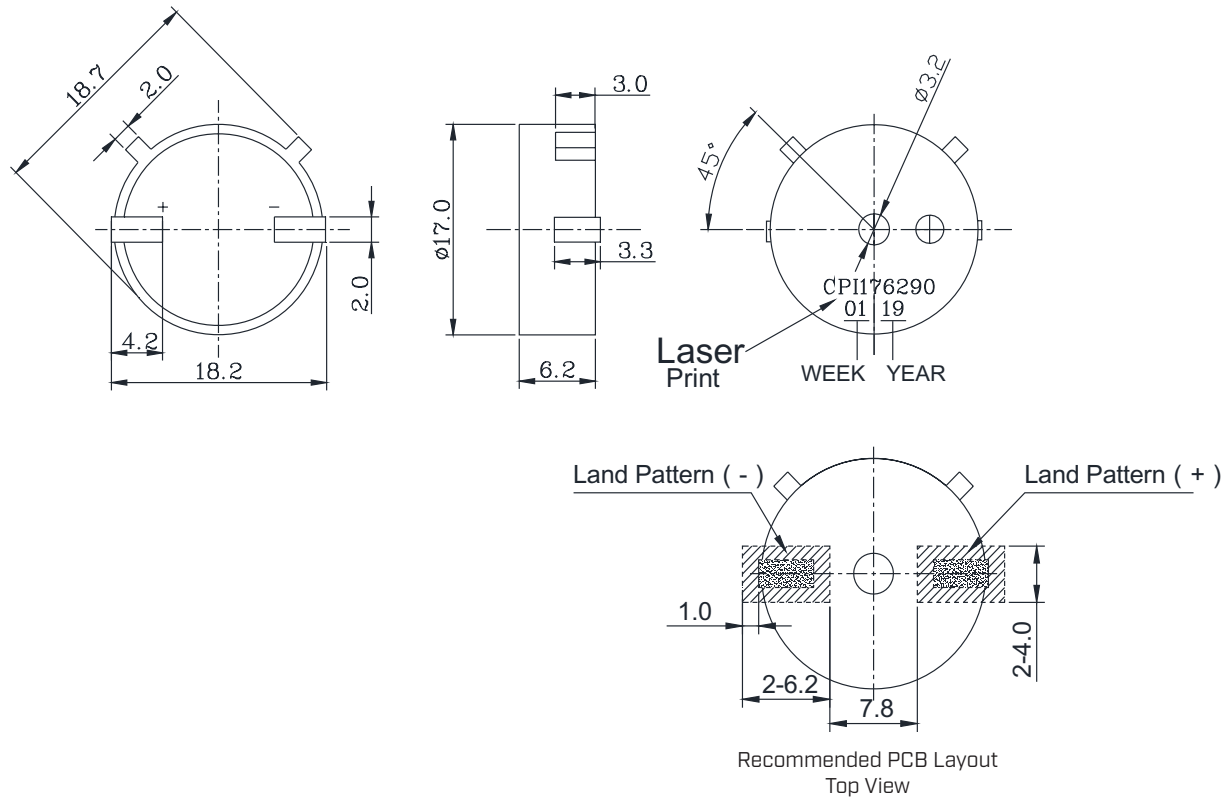
**SPECIFICATIONS**

| parameter             | conditions/description      | min   | typ   | max   | units |
|-----------------------|-----------------------------|-------|-------|-------|-------|
| rated voltage         |                             |       | 12    |       | Vdc   |
| operating voltage     |                             | 3     |       | 15    | Vdc   |
| current consumption   | at rated voltage            |       |       | 12    | mA    |
| rated frequency       |                             | 3,500 | 4,000 | 4,500 | Hz    |
| sound pressure level  | at 10 cm, rated voltage     | 90    |       |       | dB    |
| tone                  | continuous                  |       |       |       |       |
| dimensions            | Ø17 x 6.2                   |       |       |       | mm    |
| weight                |                             |       |       | 2.3   | g     |
| material              | PPS                         |       |       |       |       |
| terminal              | surface mount (tin plating) |       |       |       |       |
| operating temperature |                             | -40   |       | 85    | °C    |
| storage temperature   |                             | -40   |       | 90    | °C    |
| washable              | no                          |       |       |       |       |
| RoHS                  | yes                         |       |       |       |       |

Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

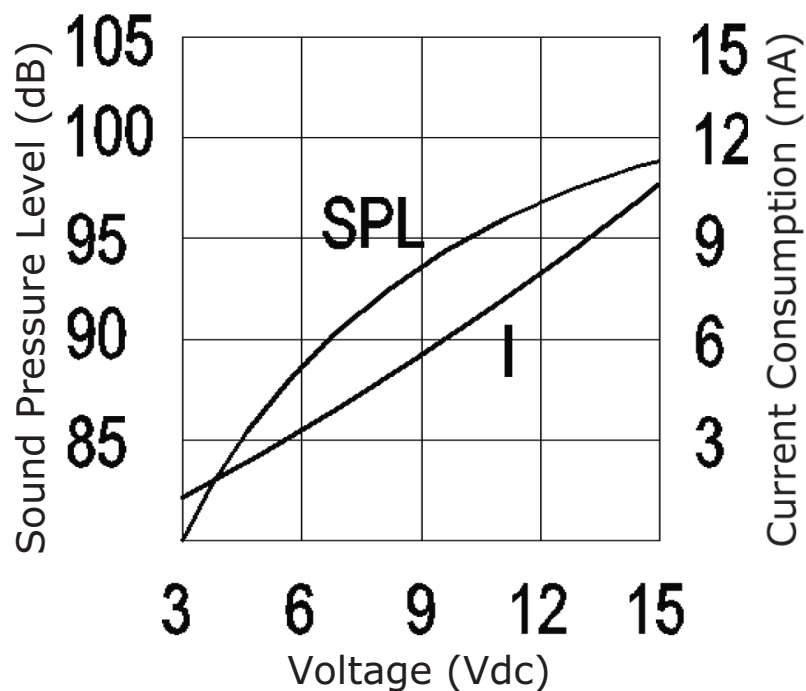
# MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## PERFORMANCE CURVES

SPL: Voltage vs. Sound Pressure Level  
I: Voltage vs. Current Consumption  
at 10 cm

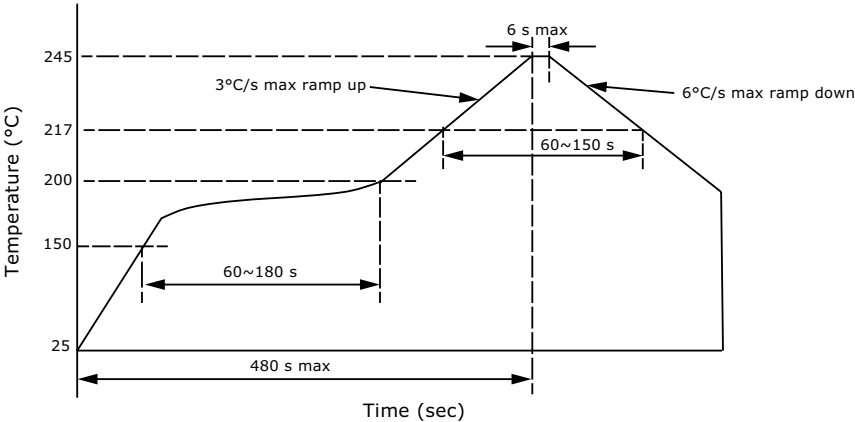


SOLDERABILITY

| parameter                      | conditions/description      | min | typ | max | units |
|--------------------------------|-----------------------------|-----|-----|-----|-------|
| reflow soldering <sup>4</sup>  | as per IPC/JEDEC J-STD-020C |     | 240 | 245 | °C    |
| drying conditions <sup>5</sup> | bake at 40°C for 24 hours   |     |     |     |       |

Note:

- 2. Not suitable for wash process.
- 3. It is recommended to reflow solder only once.
- 4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 5. When out of packaging for more than 48 hours.

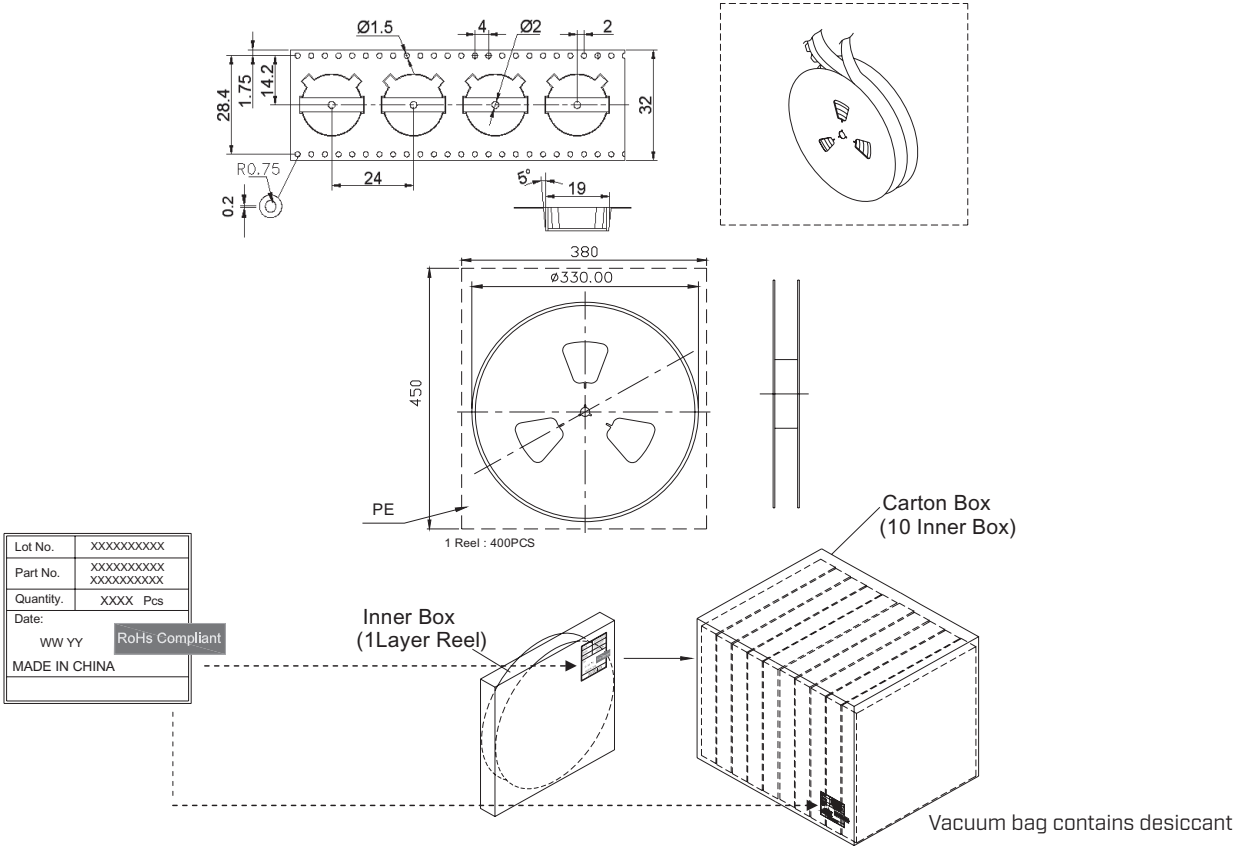


PACKAGING

| parameter                 | conditions/description      | min | typ | max | units |
|---------------------------|-----------------------------|-----|-----|-----|-------|
| reel storage <sup>6</sup> | at relative humidity 15~85% | -10 |     | 40  | °C    |
| reel QTY                  | 400                         |     |     |     |       |
| carton QTY                | 4,000                       |     |     |     |       |

Note:

- 6. Recommended storage period no more than 6 months. Floor life (out of bag) use immediately.



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/12/2019 |
| 1.01 | updated packaging                 | 01/08/2020 |
| 1.02 | updated packaging                 | 10/06/2020 |
| 1.03 | logo, datasheet style update      | 08/05/2022 |
| 1.04 | 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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