

**MODEL:** CPT-3016-105T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo
- 105 dB @ 0.3 m
- through hole

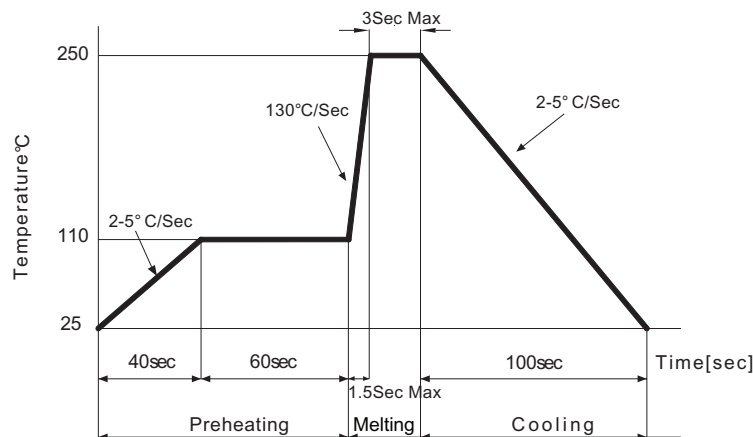
**SPECIFICATIONS**

| parameter             | conditions/description                       | min   | typ   | max   | units |
|-----------------------|----------------------------------------------|-------|-------|-------|-------|
| rated voltage         |                                              |       | 12    |       | Vdc   |
| operating voltage     |                                              | 5.5   |       | 16    | Vdc   |
| current consumption   | at rated voltage, driven by RE46C100         |       |       | 30    | mA    |
| rated frequency       |                                              | 3,000 | 3,250 | 3,500 | Hz    |
| sound pressure level  | at 30 cm, rated voltage , driven by RE46C100 | 105   |       |       | dB    |
| dimensions            | Ø30.6 x 16                                   |       |       |       | mm    |
| weight                |                                              |       |       | 5.5   | g     |
| material              | PBT + 15% GF (black)                         |       |       |       |       |
| terminal              | pin (tin plating)                            |       |       |       |       |
| operating temperature |                                              | -40   |       | 85    | °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.

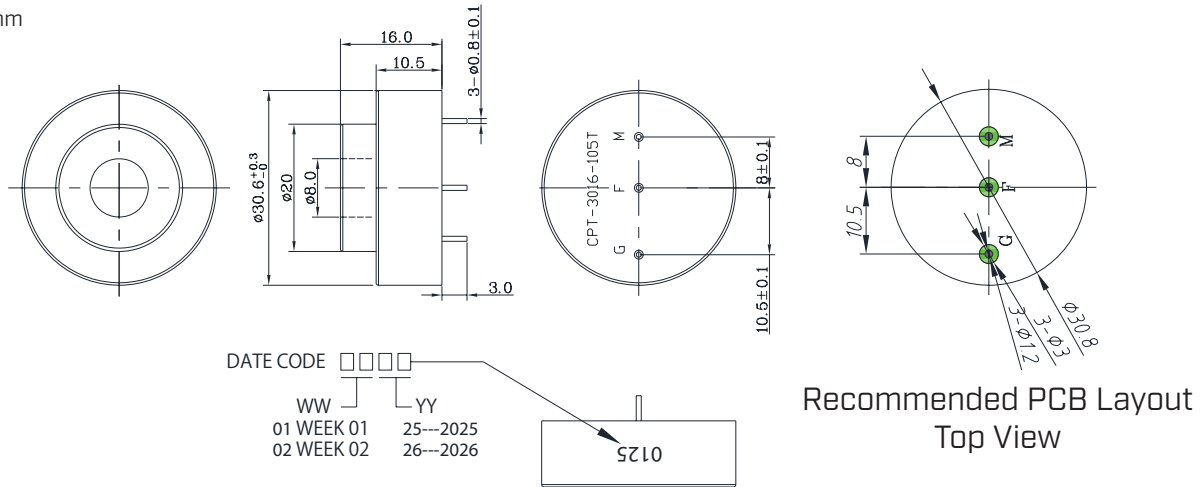
**SOLDERABILITY**

| parameter      | conditions/description                 | min | typ | max | units |
|----------------|----------------------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 2 seconds                  | 330 |     | 380 | °C    |
| wave soldering | see recommended wave soldering profile |     |     | 250 | °C    |



## MECHANICAL DRAWING

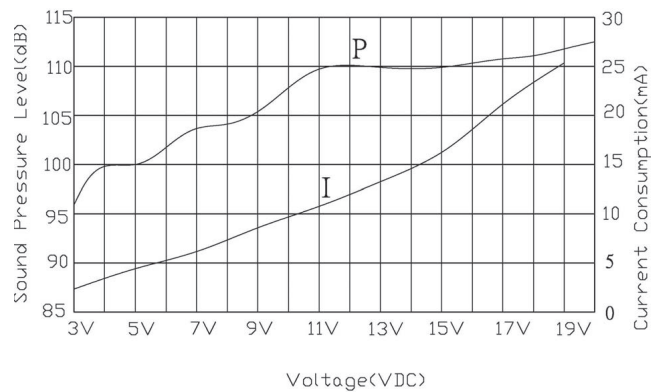
units: mm  
tolerance:  $\pm 0.5$  mm



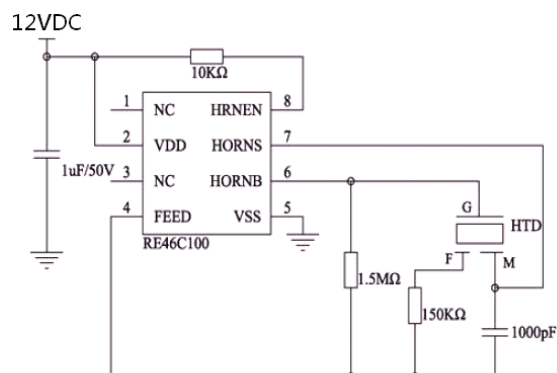
## PERFORMANCE CURVE

P: Voltage vs. Sound Pressure Level  
I: Voltage vs. Current Consumption

at 30cm



## DRIVING CIRCUIT



Notes: 1. The current consumption and the sound pressure level are measured by using the recommended driving circuit shown above.

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/19/2023 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.02 | added recommended PCB layout      | 02/19/2025 |

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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