

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

- piezo
- 105 dB @ 0.3 m
- through hole

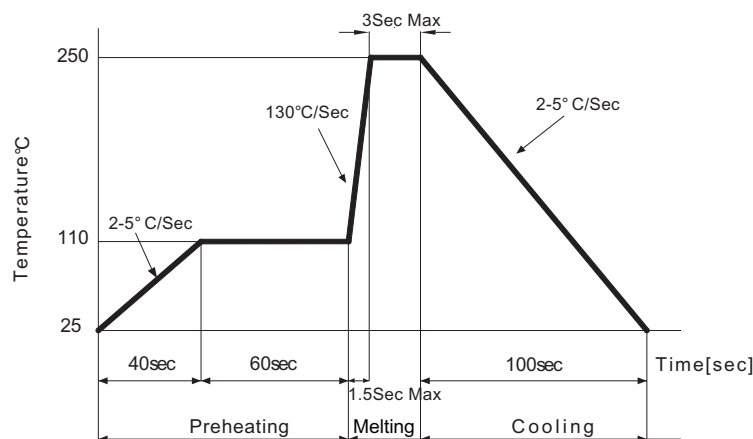
**SPECIFICATIONS**

| 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 | | | 3 | 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.

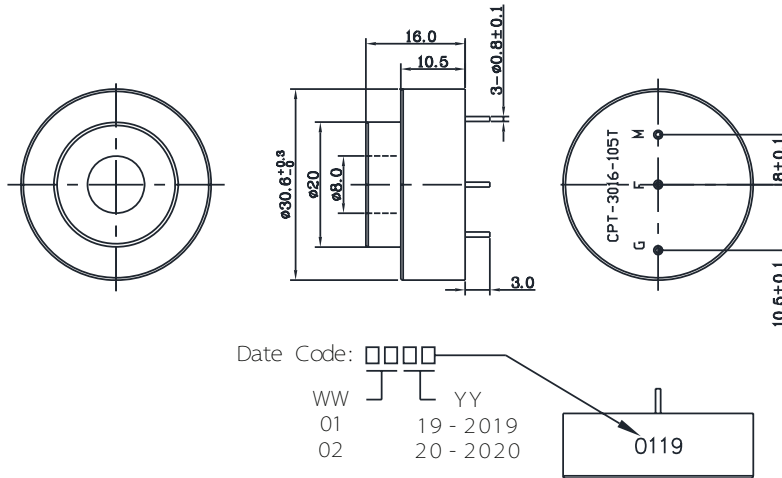
SOLDERABILITY

| 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

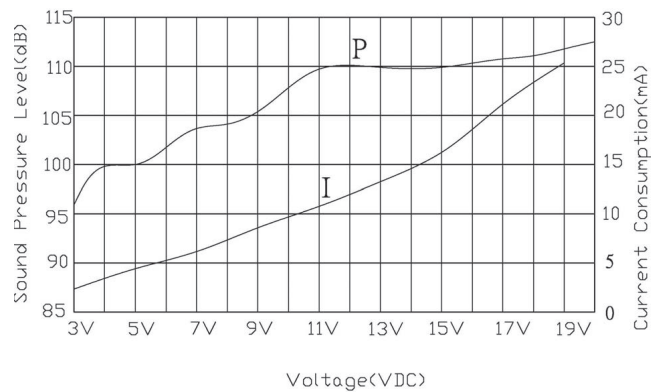
units: mm
tolerance: ± 0.5 mm



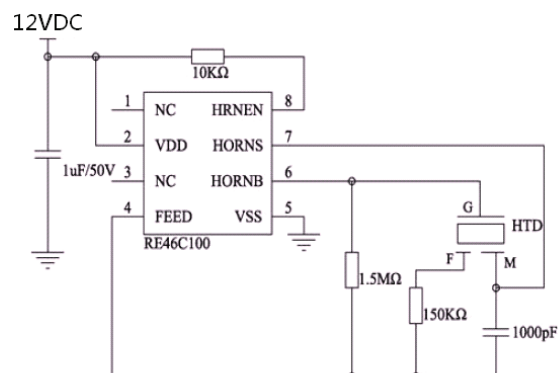
PERFORMANCE CURVE

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 |

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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