

**MODEL:** CPE-3085 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- through-hole shouldered tabs
- 12 Vdc rating
- 3.6 Hz rated frequency

**SPECIFICATIONS**

| parameter             | conditions/description  | min   | typ   | max   | units |
|-----------------------|-------------------------|-------|-------|-------|-------|
| rated voltage         |                         |       | 12    |       | Vdc   |
| operating voltage     |                         | 3     |       | 28    | Vdc   |
| current consumption   | at rated voltage        |       |       | 7     | mA    |
| rated frequency       |                         | 3,100 | 3,600 | 4,100 | Hz    |
| sound pressure level  | at 30 cm, rated voltage | 82    |       |       | dB    |
| dimensions            | Ø29.5 x 10.2            |       |       |       | mm    |
| weight                |                         |       |       | 5.6   | g     |
| material              | PPO                     |       |       |       |       |
| terminal              | pin type (Sn plating)   |       |       |       |       |
| operating temperature |                         | -20   |       | 60    | °C    |
| storage temperature   |                         | -30   |       | 70    | °C    |
| RoHS                  | yes                     |       |       |       |       |

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

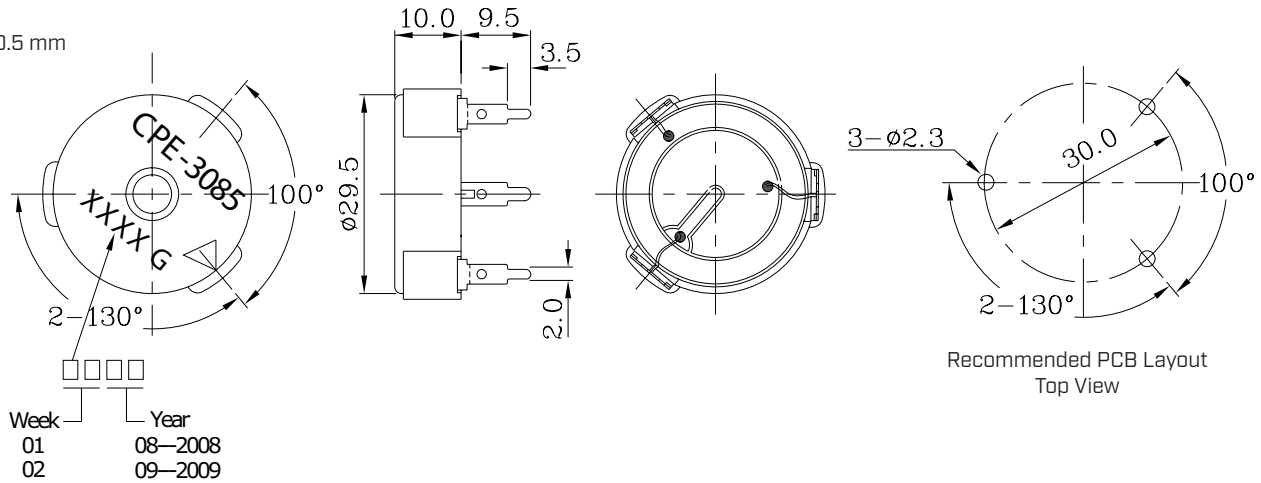
**SOLDERABILITY**

| parameter                   | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering <sup>2</sup> | for maximum 2 seconds  | 330 |     | 380 | °C    |

Notes: 2. Not recommended for wave soldering

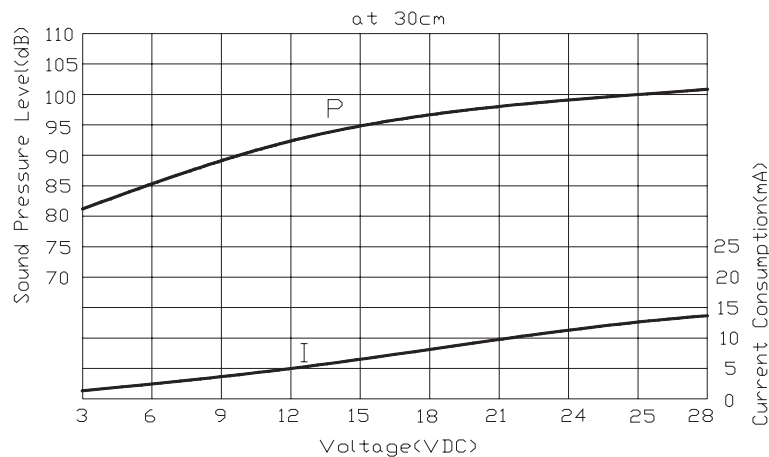
# MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

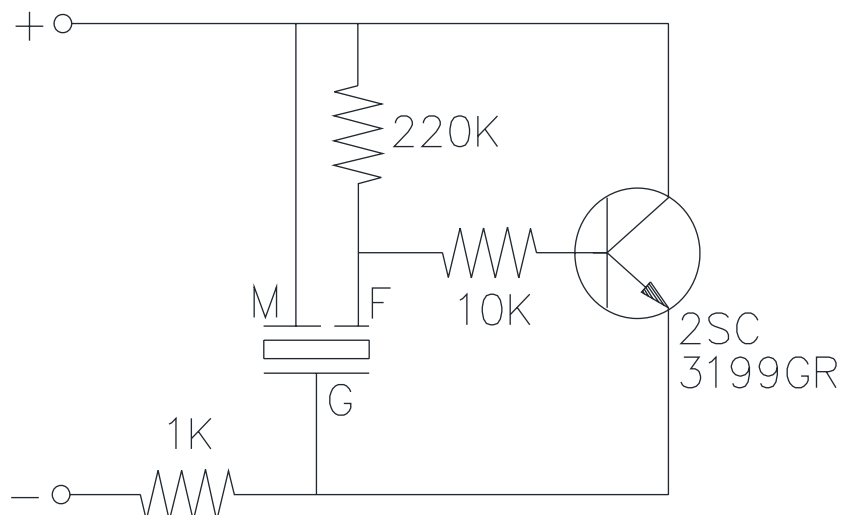


## PERFORMANCE CURVES

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



## 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                   | 09/06/2006 |
| 1.01 | brand update                      | 12/16/2019 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | 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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