

**MODEL:** CPT-3011C-120 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- externally driven
- 104 dB SPL
- 12 Vdc rated voltage

**SPECIFICATIONS**

| parameter             | conditions/description   | min   | typ   | max   | units |
|-----------------------|--------------------------|-------|-------|-------|-------|
| rated voltage         |                          |       | 12    |       | Vdc   |
| operating voltage     |                          | 6     |       | 16    | Vdc   |
| current consumption   | at rated voltage         |       |       | 35    | mA    |
| rated frequency       |                          | 2,500 | 3,000 | 3,500 | Hz    |
| sound pressure level  | at 30 cm, rated voltage  | 104   | 108   |       | dB    |
|                       | at 300 cm, rated voltage | 85    | 92    |       | dB    |
| dimensions            | Ø30.6 x 11.85            |       |       |       | mm    |
| weight                |                          |       |       | 1.8   | g     |
| material              | ABS PA-777D              |       |       |       |       |
| terminal              | pin type                 |       |       |       |       |
| operating temperature |                          | -30   |       | 85    | °C    |
| storage temperature   |                          | -40   |       | 95    | °C    |
| RoHS                  | yes                      |       |       |       |       |

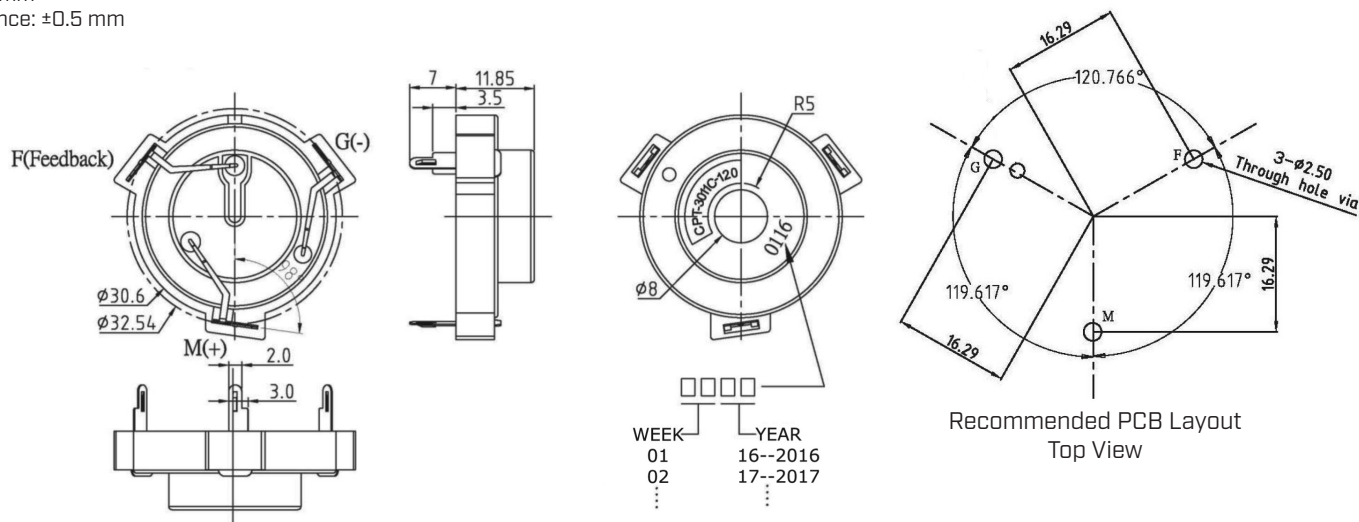
Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 5 seconds  | 330 |     | 380 | °C    |

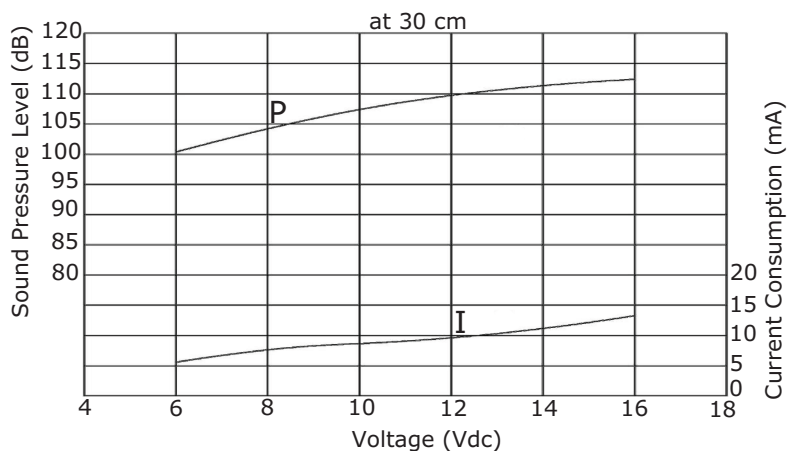
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

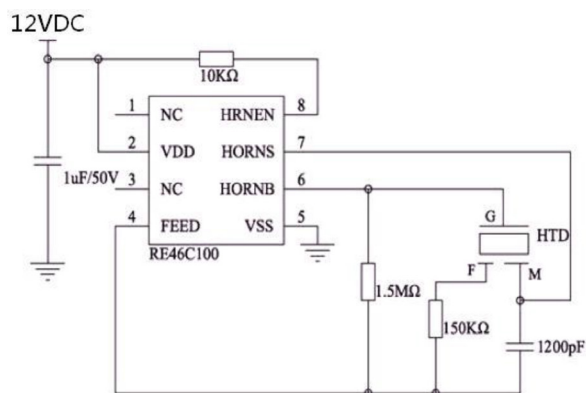


## PERFORMANCE CURVE

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



## DRIVING CIRCUIT

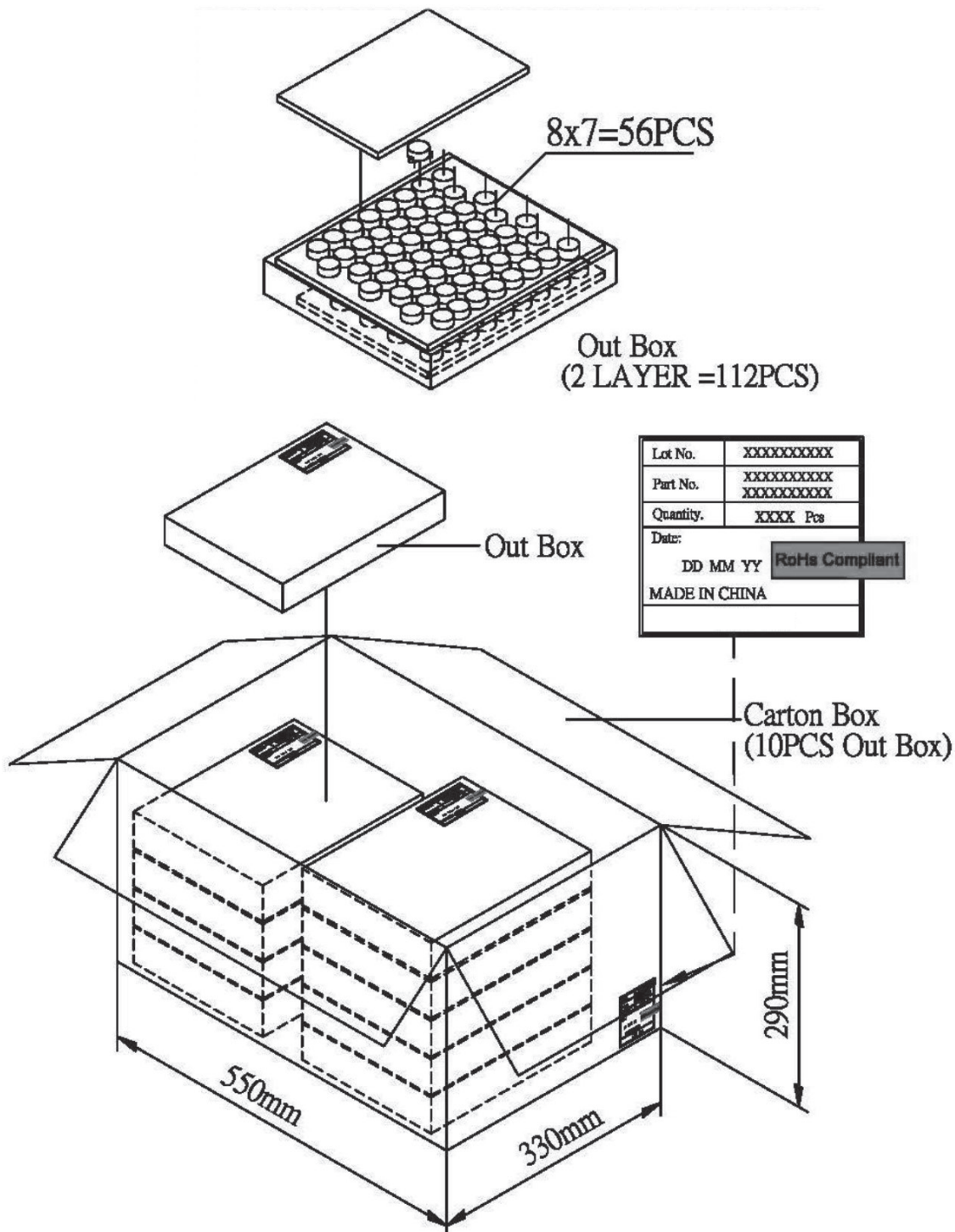


Notes: 1. The current consumption and the sound pressure level are measured by using the recommended driving circuit shown above.

## PACKAGING

units: mm

Outer Box Size: 310 x 248 x 49 mm  
Carton Size: 550 x 330 x 290 mm  
Outer Box QTY: 112 pcs per outer box  
Carton QTY: 1,120 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 03/30/2016 |
| 1.01 | changed packaging                 | 08/15/2019 |
| 1.02 | brand update                      | 12/05/2019 |
| 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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