

**MODEL:** CPI-42533C-120 | **DESCRIPTION:** PIEZO BUZZER INDICATOR**FEATURES**

- includes driving circuit
- wire leads
- 12 Vdc rated voltage

**SPECIFICATIONS**

| parameter             | conditions/description                  | min   | typ   | max   | units |
|-----------------------|-----------------------------------------|-------|-------|-------|-------|
| rated voltage         |                                         |       | 12    |       | Vdc   |
| operating voltage     |                                         | 6     |       | 28    | Vdc   |
| current consumption   | at rated voltage                        |       |       | 13    | mA    |
|                       | continuous tone                         |       |       | 11    | mA    |
|                       | slow pulse tone                         |       |       |       |       |
| rated frequency       |                                         | 2,300 | 2,800 | 3,300 | Hz    |
| sound pressure level  | at 30 cm, rated voltage                 |       |       |       |       |
|                       | continuous tone                         | 92    |       |       | dB    |
|                       | slow pulse tone                         | 87    |       |       | dB    |
| tone                  | continuous (black wire)                 |       |       |       |       |
|                       | slow pulse at rated voltage (blue wire) | 0.96  | 1.2   | 1.44  | Hz    |
| dimensions            | Ø42.5 x 33.0                            |       |       |       | mm    |
| weight                |                                         |       |       | 38    | g     |
| material              | ABS UL94 1/16" HB High Heat             |       |       |       |       |
| terminal              | wire 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.

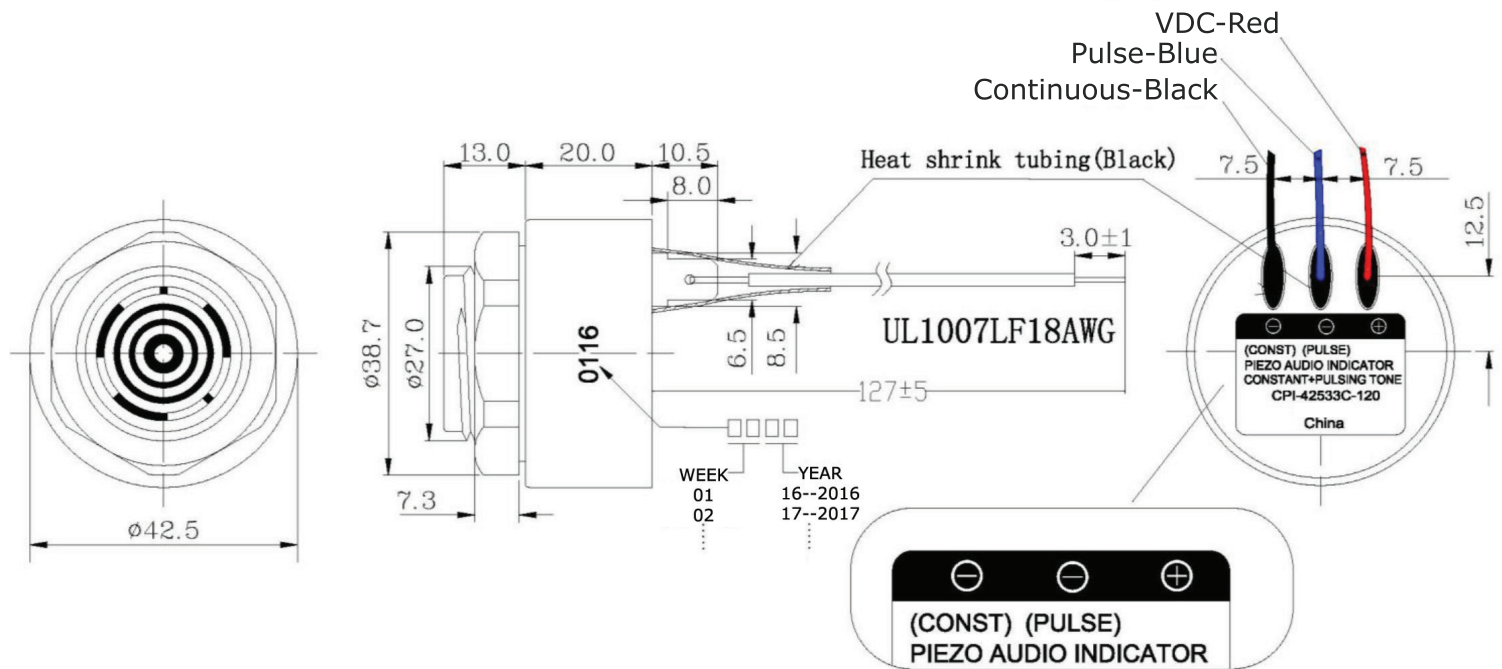
**SOLDERABILITY**

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

## MECHANICAL DRAWING

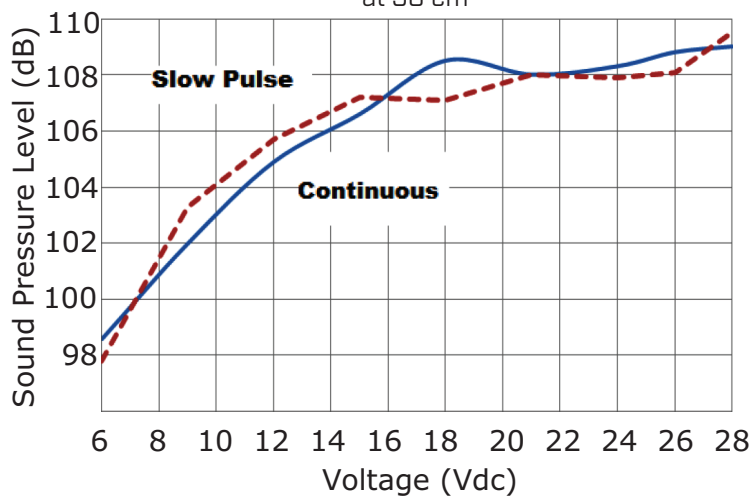
units: mm  
tolerance:  $\pm 0.5$  mm

wire: UL1007 LF 18 AWG

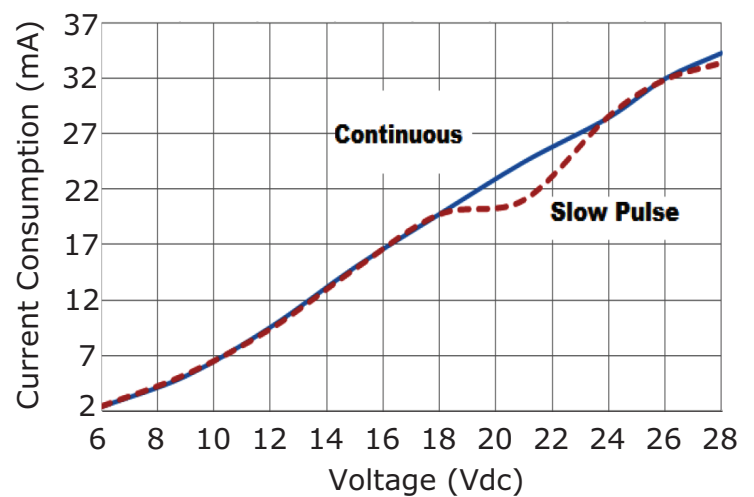


## PERFORMANCE CURVES

Voltage vs. Sound Pressure Level  
at 30 cm



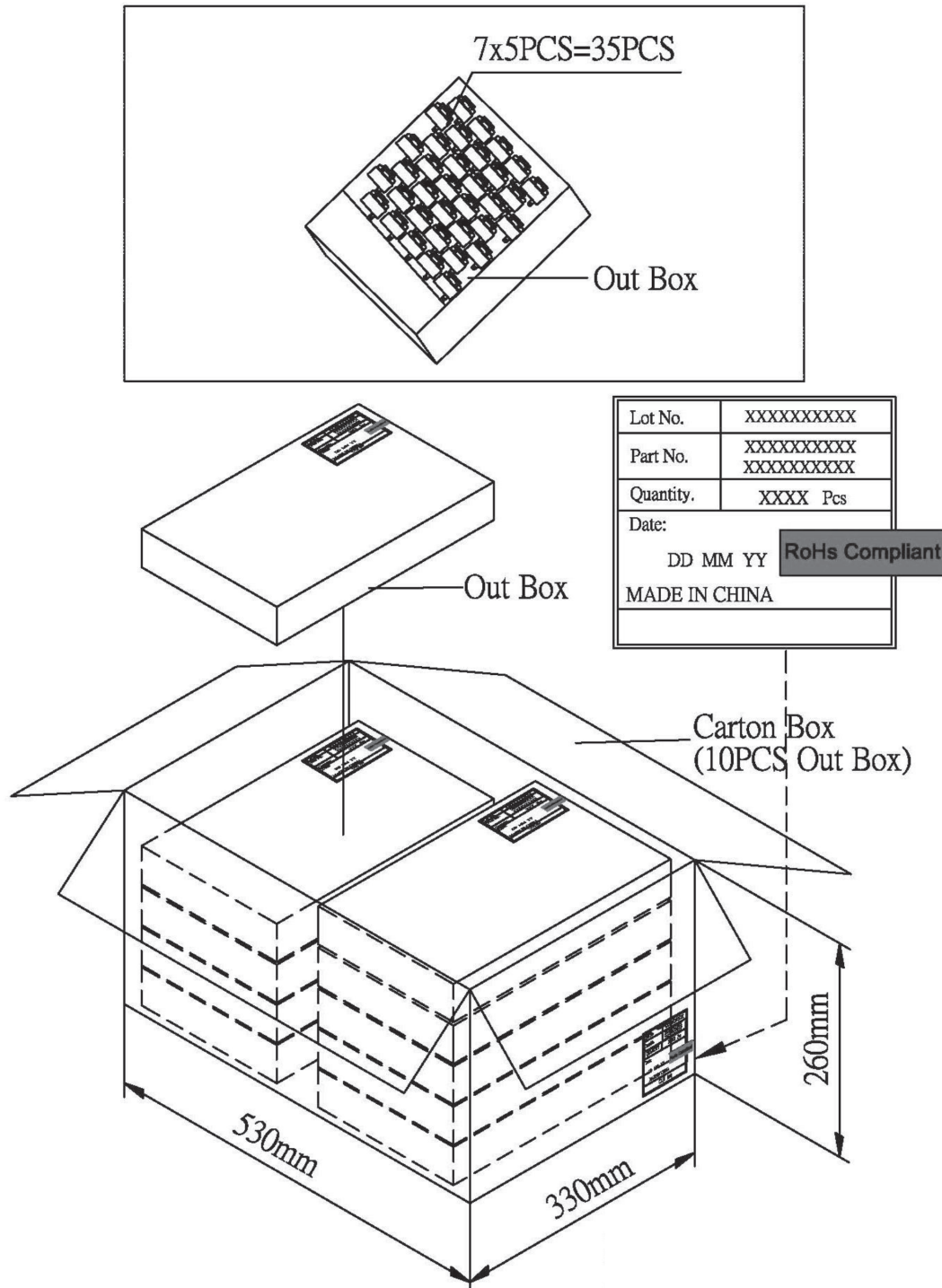
Voltage vs. Current Consumption



## PACKAGING

units: mm

Outer Box Size: 310 x 248 x 49 mm  
Carton Size: 530 x 330 x 260 mm  
Outer Box QTY: 35 pcs per outer box  
Carton QTY: 350 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 04/06/2016 |
| 1.01 | updated packaging                 | 07/01/2016 |
| 1.02 | updated wire descriptions         | 01/22/2019 |
| 1.03 | brand update                      | 12/11/2019 |
| 1.04 | logo, datasheet style update      | 08/05/2022 |
| 1.05 | 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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