



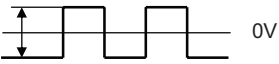
MODEL: CPS-3016-110L100 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- 12 V rated
- 110 dB
- wire leads



SPECIFICATIONS

| parameter                 | conditions/description                                                                                          | min    | typ    | max    | units |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|
| rated voltage             | <div>Vp-p</div>  <div>0V</div> |        | 12     |        | Vp-p  |
| operating voltage         |                                                                                                                 | 1      |        | 40     | Vp-p  |
| current consumption       | at rated voltage, 3,200 Hz, ½ duty square wave                                                                  |        |        | 5      | mA    |
| rated frequency           |                                                                                                                 |        | 3,200  |        | Hz    |
| sound pressure level      | at 10 cm, rated voltage, 3,200 Hz, ½ duty square wave                                                           | 110    | 115    |        | dB    |
| electrostatic capacitance | at 100 Hz                                                                                                       | 18,200 | 26,000 | 33,800 | pF    |
| tone                      | single                                                                                                          |        |        |        |       |
| dimensions                | Ø30.6 x 16.0                                                                                                    |        |        |        | mm    |
| weight                    |                                                                                                                 |        | 5.5    |        | g     |
| material                  | ABS777D                                                                                                         |        |        |        |       |
| terminal                  | wire leads                                                                                                      |        |        |        |       |
| operating temperature     |                                                                                                                 | -30    |        | 70     | °C    |
| storage temperature       |                                                                                                                 | -40    |        | 85     | °C    |
| washable                  | no                                                                                                              |        |        |        |       |
| RoHS                      | yes                                                                                                             |        |        |        |       |

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

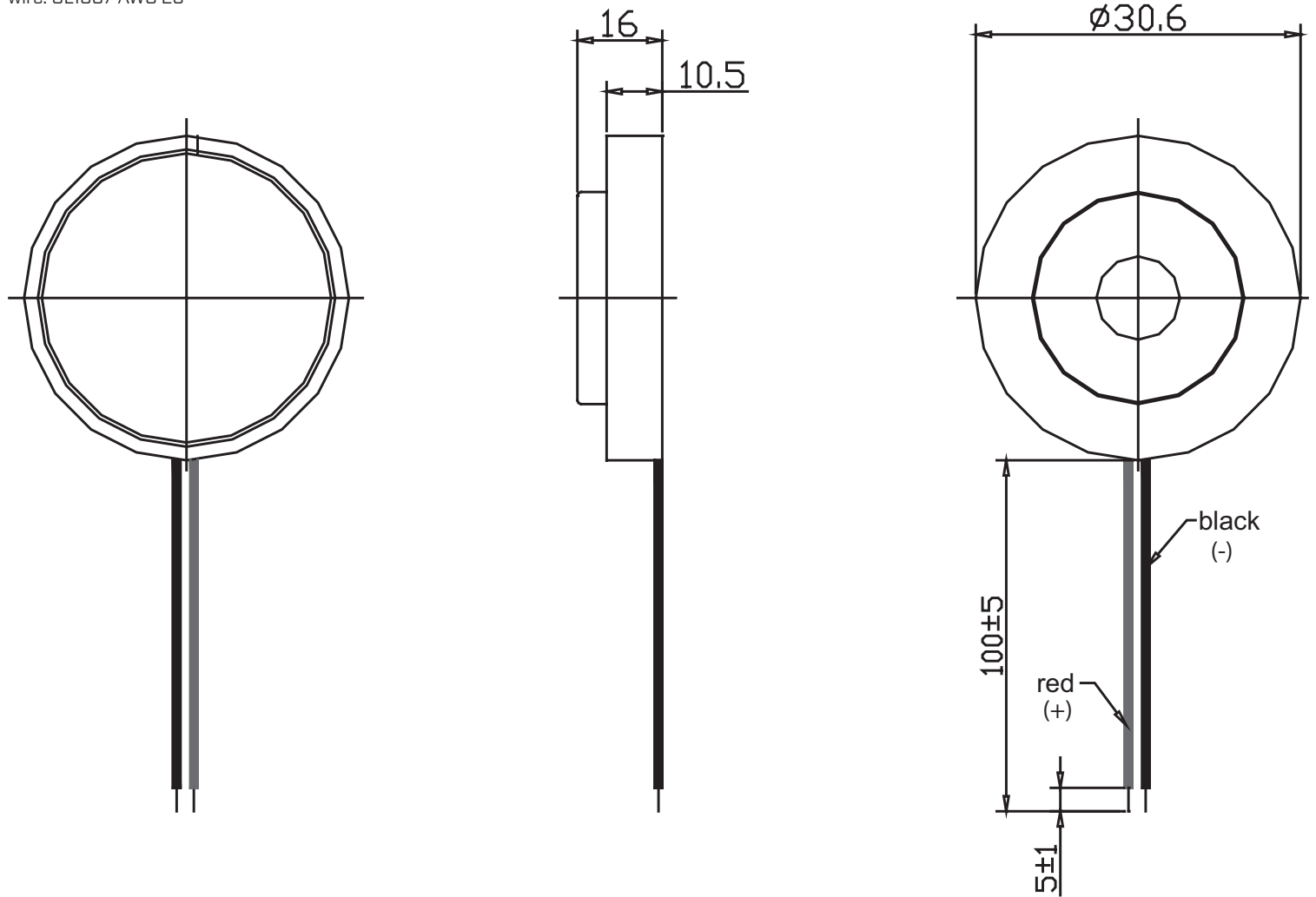
SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering |                        | 360 | 380 | 400 | °C    |

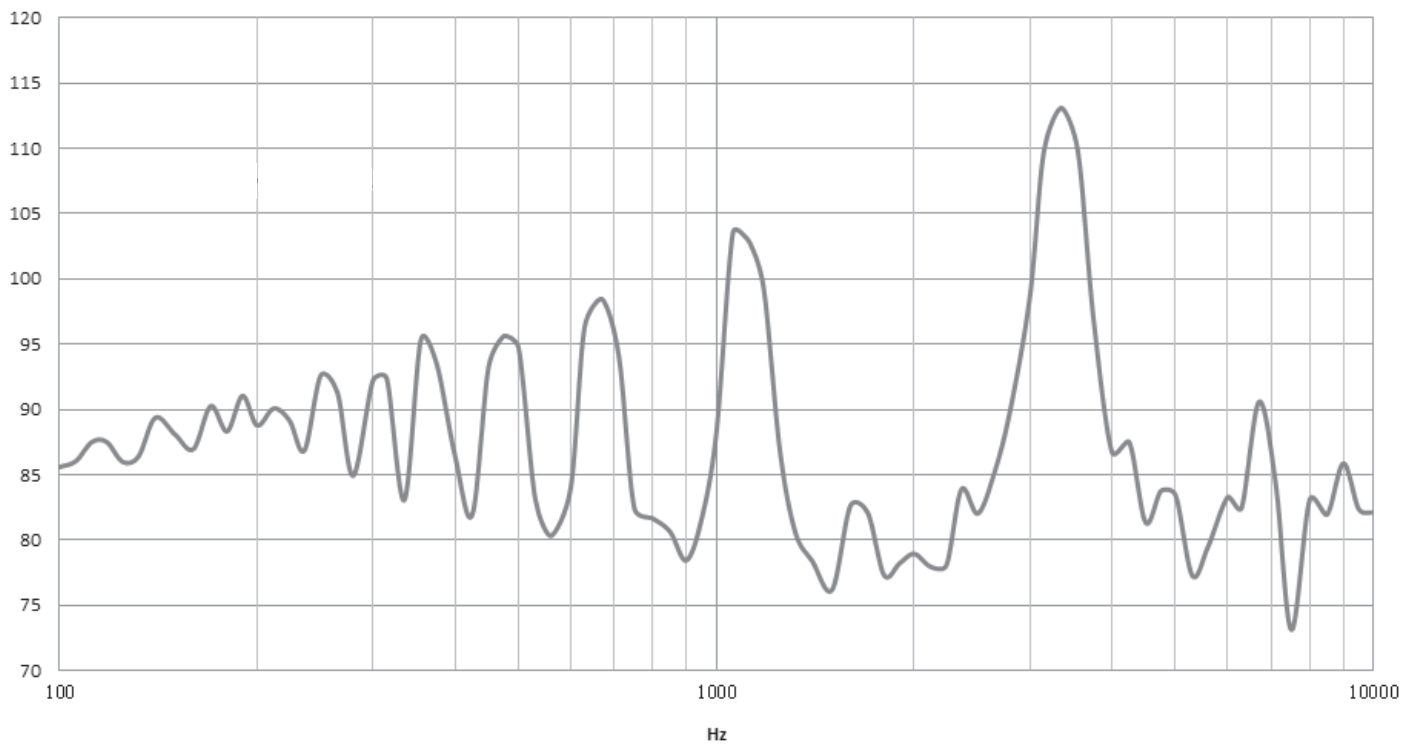
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

wire: UL1007 AWG 28



## FREQUENCY RESPONSE CURVE



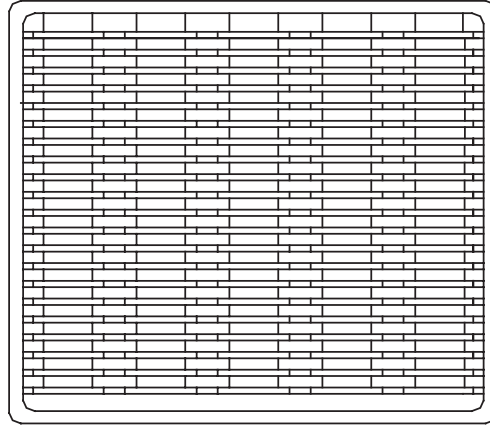
## APPLICATION CIRCUIT



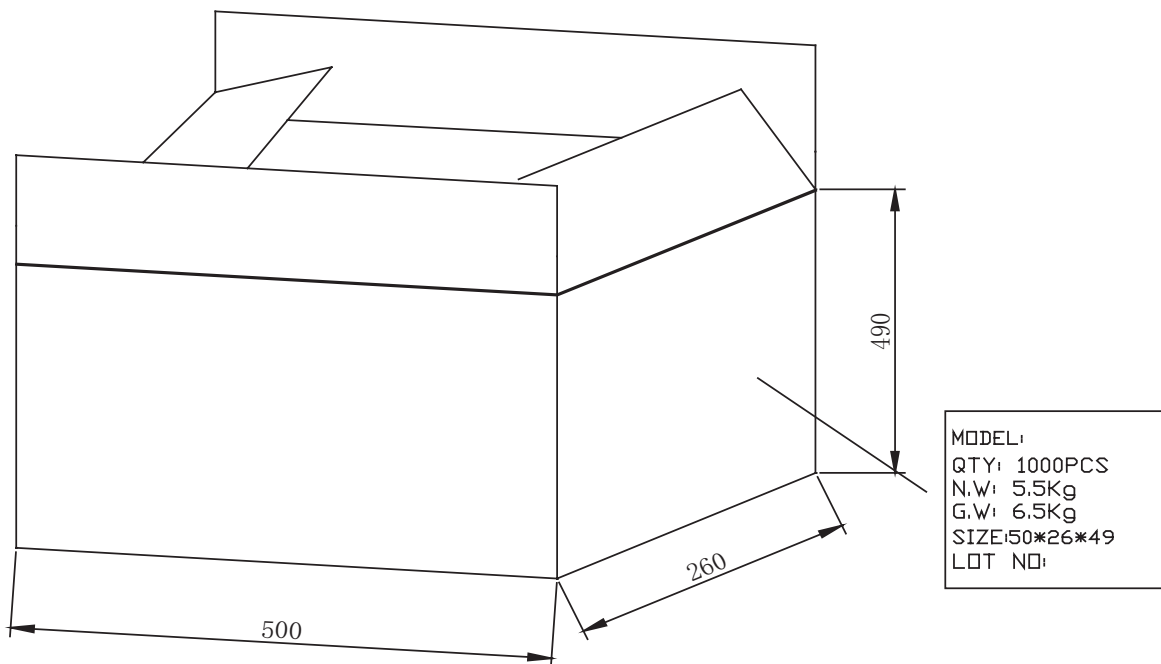
## PACKAGING

units: mm

Carton Size: 500 x 260 x 490 mm  
Carton QTY: 1,000 pcs per carton



Per tray 50 pcs.



Per box 1000 pcs.

## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 01/08/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | 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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