

**MODEL:** CPE-827 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo transducer with wire leads
- 97 dB SPL
- 4,500 Hz rated frequency

**SPECIFICATIONS**

| parameter              | conditions/description                  | min    | typ    | max    | units |
|------------------------|-----------------------------------------|--------|--------|--------|-------|
| operating voltage      |                                         |        |        | 50     | Vp-p  |
| current consumption    | at 10 Vp-p, 4,500 Hz square wave        |        |        | 11     | mA    |
| rated frequency        |                                         |        | 4,500  |        | Hz    |
| sound pressure level   | at 10 cm, 10 Vp-p, 4,500 Hz square wave | 97     |        |        | dB    |
| electrostatic capacity | at 1 kHz/1 V                            | 12,600 | 18,000 | 23,400 | pF    |
| dimensions             | Ø30.0 x 5.1                             |        |        |        | mm    |
| weight                 |                                         |        |        | 4.7    | g     |
| material               | ABS UL94 1/16" HB High Heat (black)     |        |        |        |       |
| terminal               | wire leads                              |        |        |        |       |
| 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 86-106kPa pressure, unless otherwise noted.

**SOLDERABILITY**

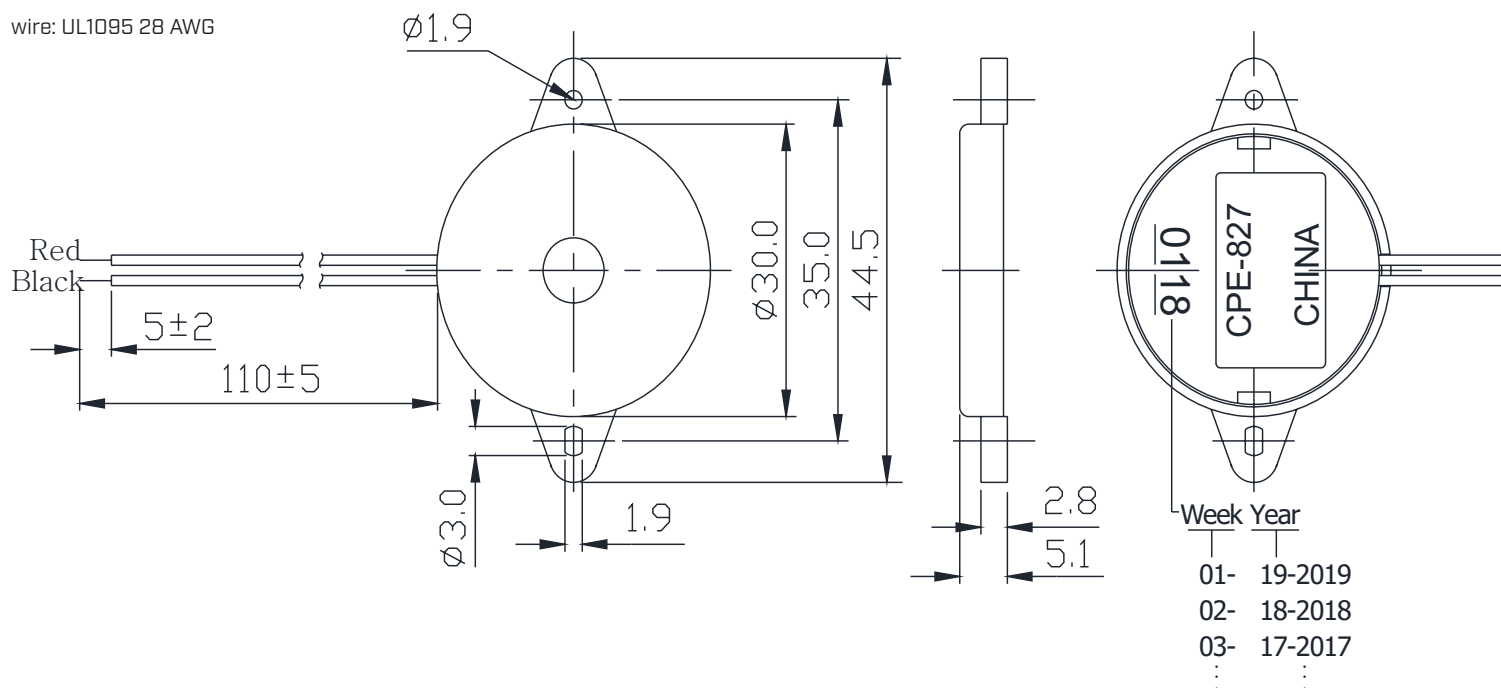
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 2 ± 0.5 seconds    | 280 | 290 | 300 | °C    |

## MECHANICAL DRAWING

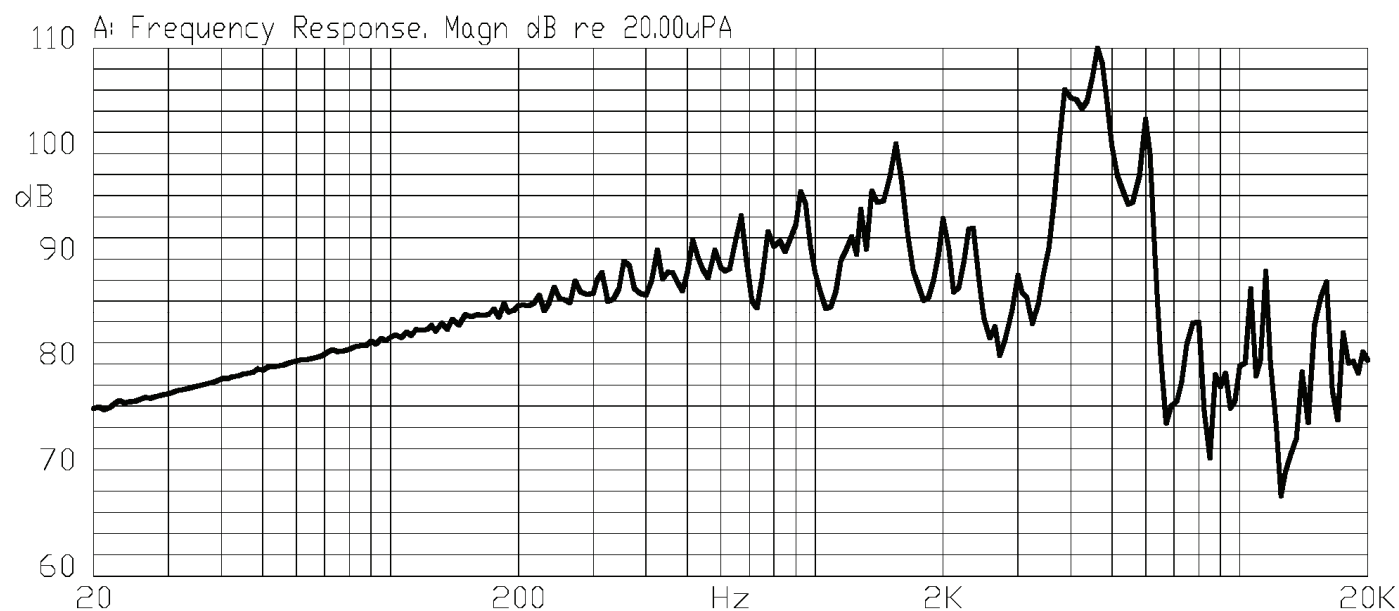
units: mm

tolerance:  $\pm 0.5$  mm

wire: UL1095 28 AWG



## FREQUENCY RESPONSE CURVE



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 11/12/2007 |
| 1.01 | brand update                      | 05/05/2020 |
| 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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