

**SERIES:** CDS-4528-44XX | **DESCRIPTION:** SPEAKER**FEATURES**

- double magnet design
- 4 ohm
- 84 dB at 1 m

**SPECIFICATIONS**

| parameter               | conditions/description                                    | min | typ | max    | units    |
|-------------------------|-----------------------------------------------------------|-----|-----|--------|----------|
| input power             |                                                           |     | 4.0 | 6.0    | W        |
| impedance               | at 2 kHz, 2.0 V                                           | 3.2 | 4   | 4.8    | $\Omega$ |
| resonant frequency (Fo) | at 2.0 V                                                  | 160 | 200 | 240    | Hz       |
| frequency response      |                                                           | 200 |     | 20,000 | Hz       |
| sound pressure level    | at 1 W, 1 m, avg at 1.0, 2.0, 3.0, 4.0 kHz                | 81  | 84  | 87     | dB       |
| distortion              | at 1.0 kHz, 1.0 W (standard baffle)                       |     |     | 5      | %        |
| buzz, rattle, etc.      | must be normal at sine wave between 300 Hz ~ 20 kHz       |     |     | 4      | V        |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |     |     |        |          |
| dimensions              | 45.2 x 45.2 x 28.1                                        |     |     |        | mm       |
| magnet                  | Nd-Fe-B                                                   |     |     |        |          |
| frame material          | SPCC                                                      |     |     |        |          |
| cone material           | PU + paper                                                |     |     |        |          |
| weight                  |                                                           |     | 36  |        | g        |
| operating temperature   |                                                           | -20 |     | 60     | °C       |
| storage temperature     |                                                           | -30 |     | 70     | °C       |
| hand soldering          | for 3~5 seconds                                           | 370 | 380 | 390    | °C       |
| RoHS                    | yes                                                       |     |     |        |          |

Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, 86~106 kPa, unless otherwise noted.

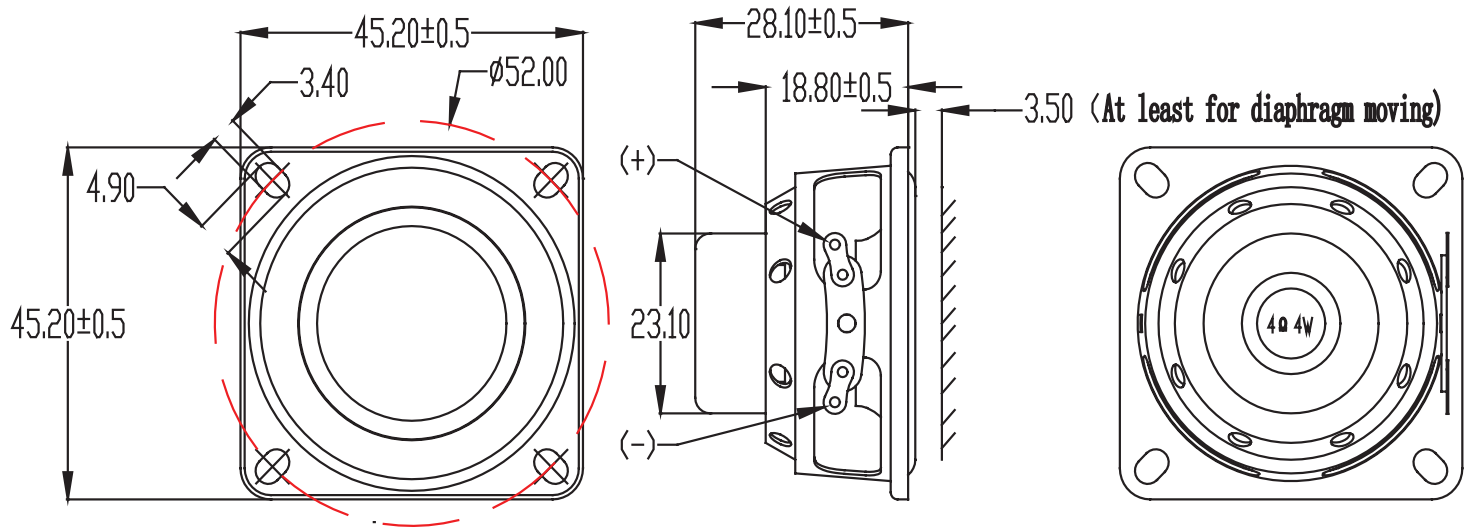
**PART NUMBER KEY****CDS - 4528 - 44 XX**

Base Number

Termination Options:  
SP = solder terminals  
L100 = wire leads

## MECHANICAL DRAWING (SOLDER TERMINALS)

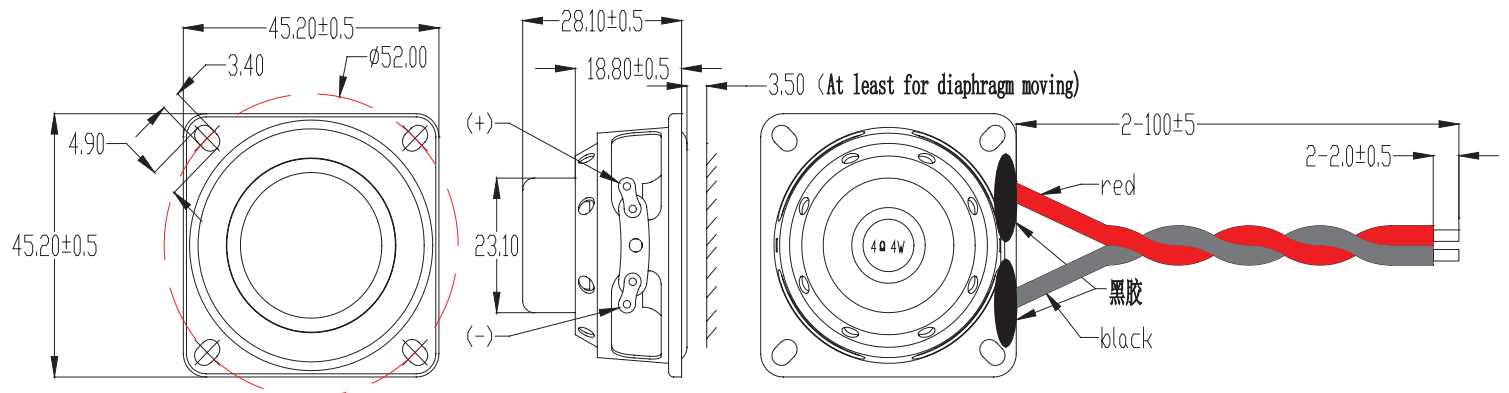
units: mm  
tolerance:  $\pm 0.5$  mm  
unless specified otherwise



## MECHANICAL DRAWING (WIRE LEADS)

units: mm  
tolerance:  $\pm 0.5$  mm  
unless specified otherwise

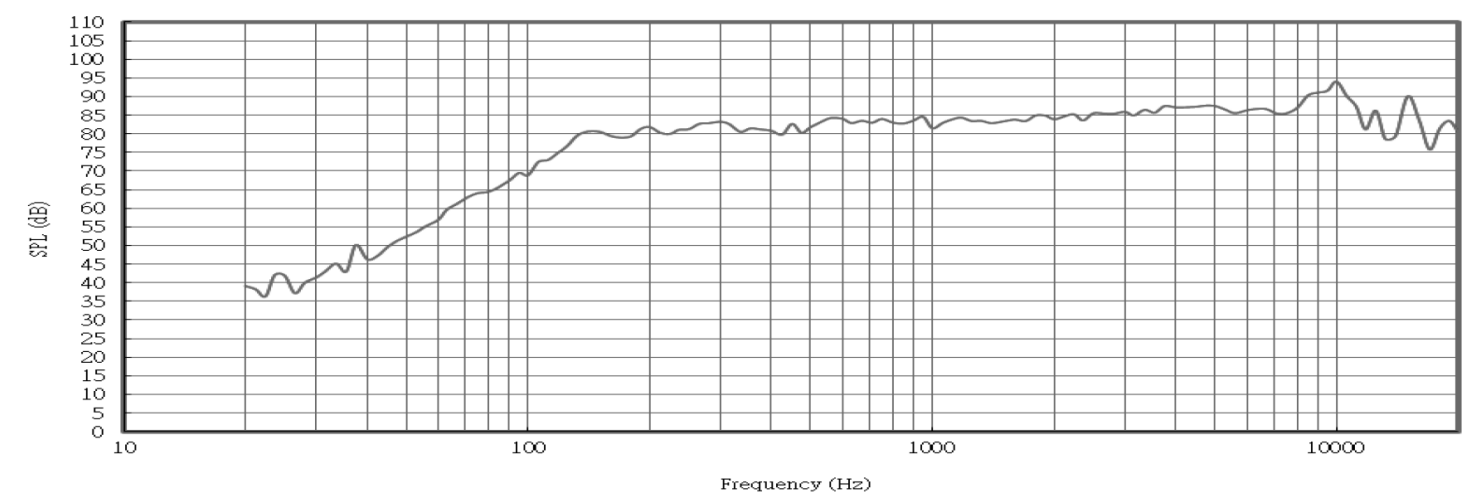
wire: UL1571 28 AWG



RESPONSE CURVES

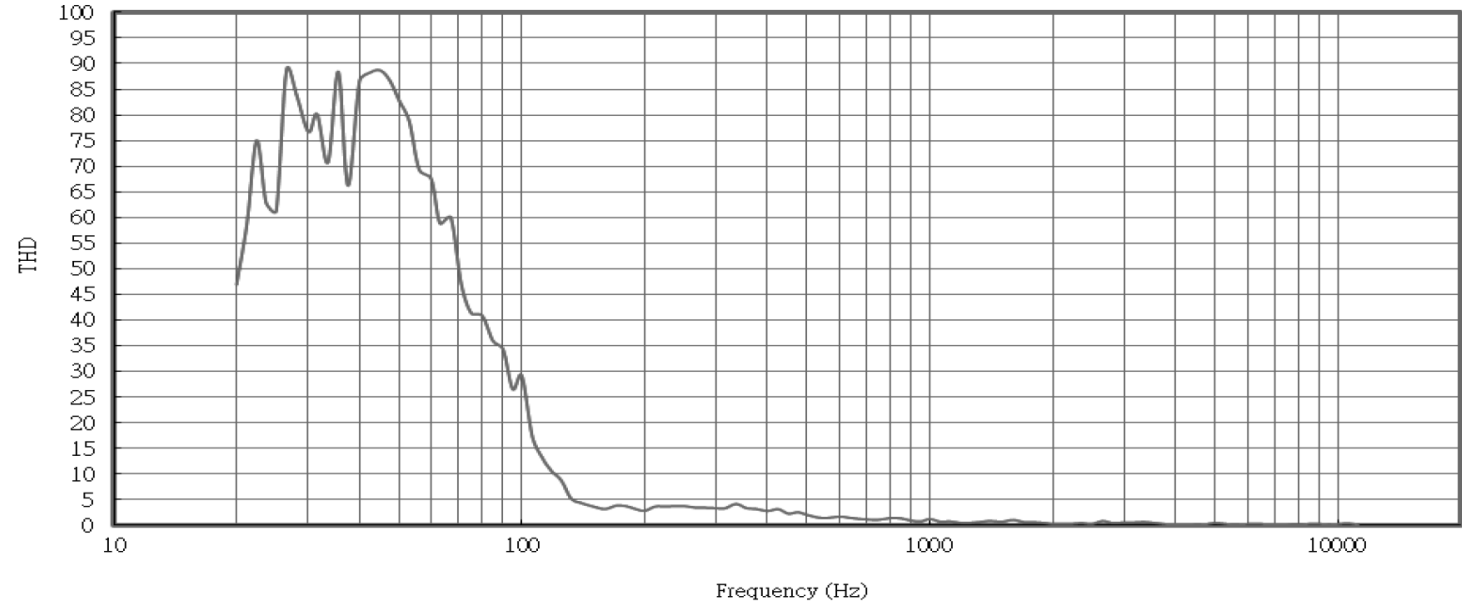
Frequency Response Curve

Test Conditions: 1.0 W / 1.0 m



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 1.0 m



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/13/2023 |
| 1.01 | 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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