

**MODEL:** CDS-2844-32-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 32 Ohm
- rated 0.25 W
- solder pads

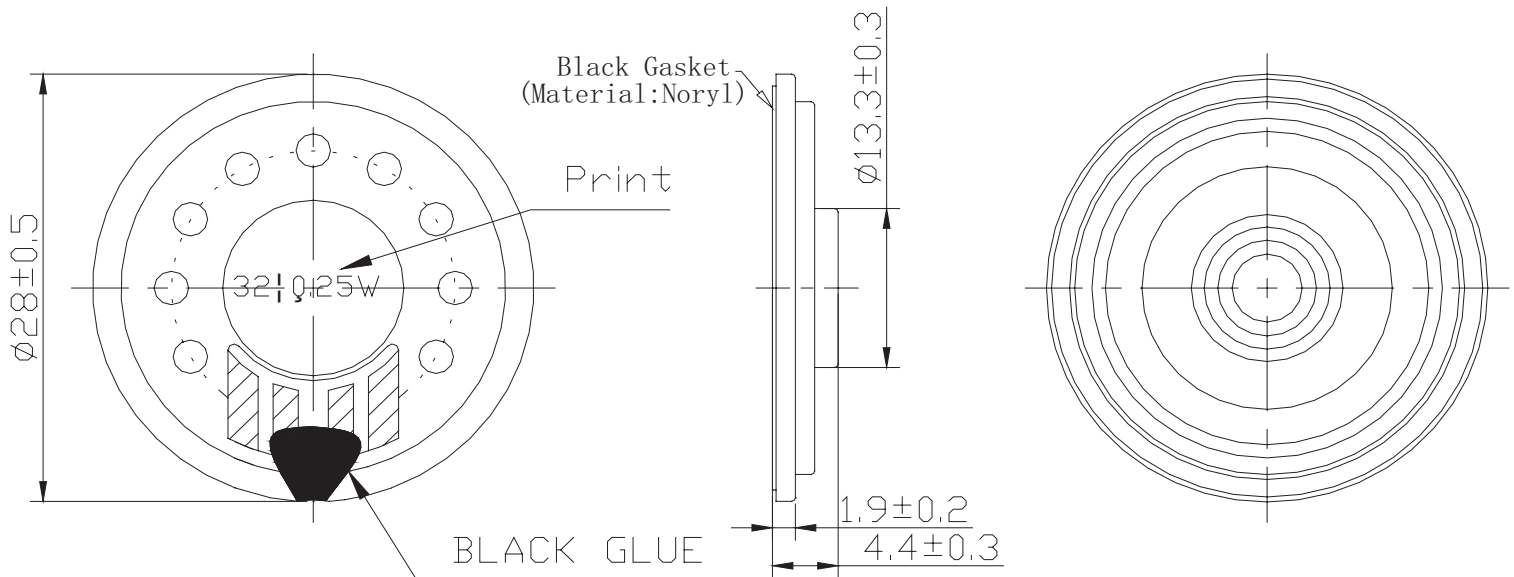
**SPECIFICATIONS**

| parameter               | conditions/description                                        | min  | typ  | max   | units              |
|-------------------------|---------------------------------------------------------------|------|------|-------|--------------------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles              |      | 0.25 | 0.5   | W                  |
| impedance               | at 2.0 kHz, 1.0 V                                             | 27.2 | 32   | 36.8  | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                                      | 480  | 600  | 720   | Hz                 |
| frequency response      |                                                               | Fo   |      | 6,500 | Hz                 |
| sound pressure level    | at 0.1 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz in baffleboard | 88   | 91   | 94    | dB                 |
| distortion              | at 1.0 kHz, rated power                                       |      |      | 5     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, between 200 ~ 2,000 Hz           |      |      | 2.83  | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal     |      |      |       |                    |
| dimensions              | $\varnothing 28 \times 4.4$                                   |      |      |       | mm                 |
| magnet                  | Nd-Fe-B                                                       |      |      |       |                    |
| frame material          | SPCC                                                          |      |      |       |                    |
| cone material           | PET (black)                                                   |      |      |       |                    |
| terminal                | solder pads                                                   |      |      |       |                    |
| weight                  |                                                               |      | 4.5  |       | g                  |
| operating temperature   |                                                               | -20  |      | 85    | $^{\circ}\text{C}$ |
| storage temperature     |                                                               | -30  |      | 85    | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 2 seconds                                         |      |      | 380   | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                           |      |      |       |                    |

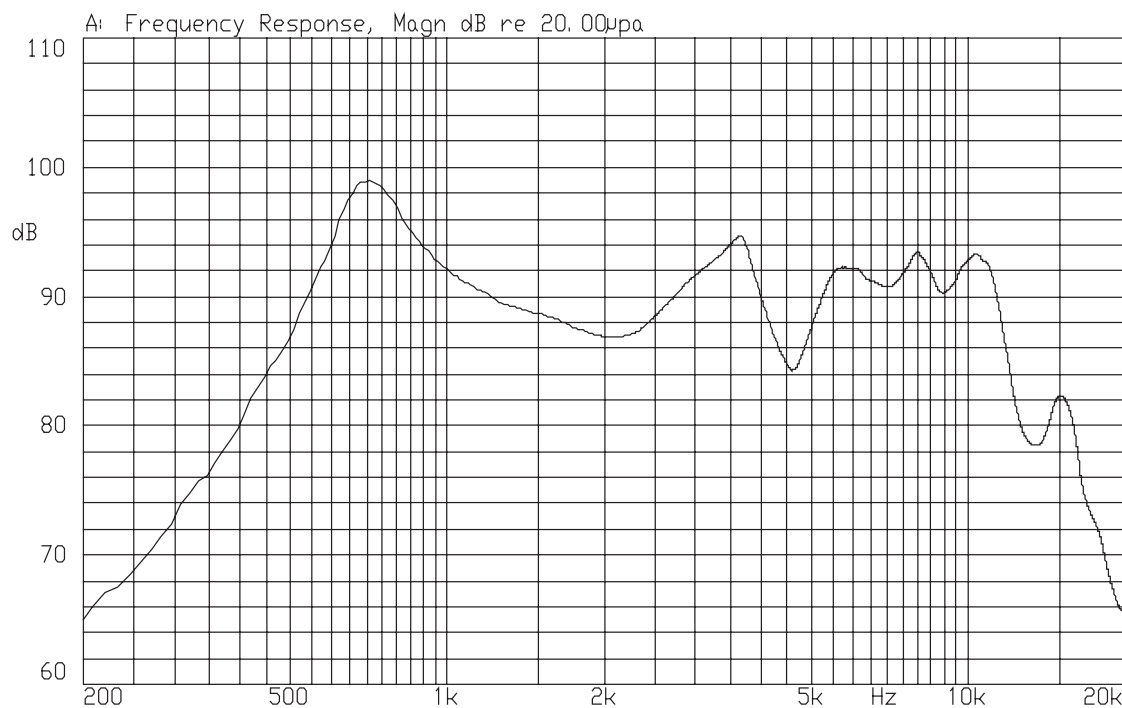
Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm



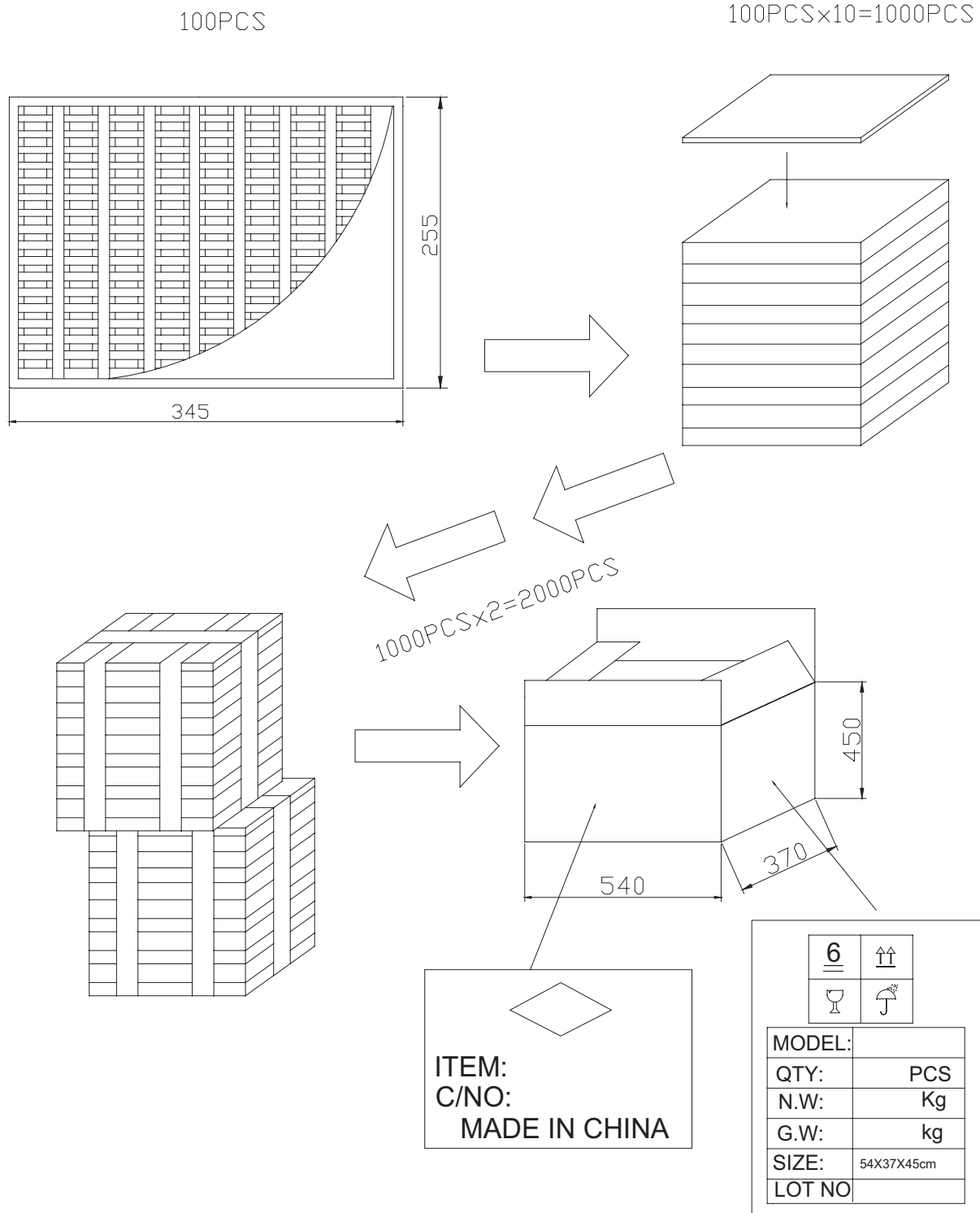
## FREQUENCY RESPONSE CURVE



## PACKAGING

units: mm

Tray Size: 345 x 255 mm  
Tray QTY: 100 pcs per tray  
Carton Size: 540 x 370 x 450 mm  
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 11/22/2021 |
| 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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