

**MODEL:** CDS-5085-32-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 32 Ohm
- rated 0.5 W
- solder pads

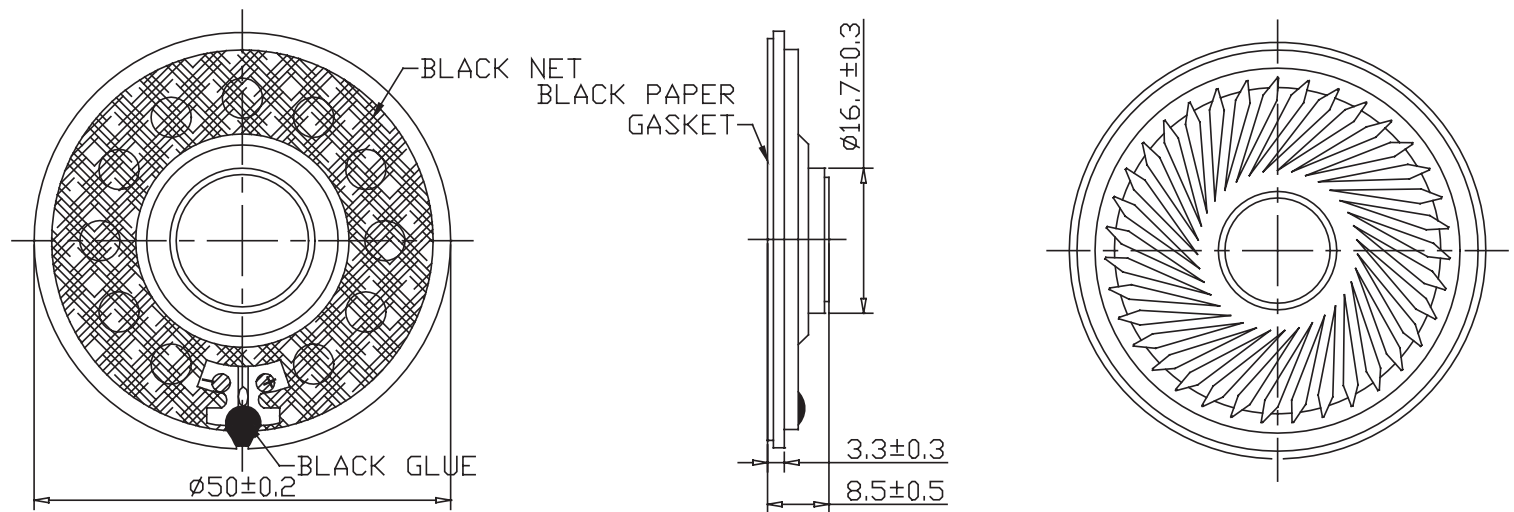
**SPECIFICATIONS**

| parameter               | conditions/description                                        | min  | typ  | max    | units              |
|-------------------------|---------------------------------------------------------------|------|------|--------|--------------------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles              |      | 0.5  | 1.0    | W                  |
| impedance               | at 2.0 kHz, 1.0 V                                             | 27.2 | 32   | 36.8   | $\Omega$           |
| resonant frequency [Fo] | at 1.0 V                                                      | 320  | 400  | 480    | Hz                 |
| frequency response      |                                                               | Fo   |      | 20,000 | Hz                 |
| sound pressure level    | at 0.1 W, 0.1 m, avg at 0.6, 0.8, 1.0, 1.2 kHz in baffleboard | 89   | 92   | 95     | dB                 |
| distortion              | at 1.0 kHz, rated power                                       |      |      | 5      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, between Fo ~ 10,000 Hz           |      |      | 4.0    | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal     |      |      |        |                    |
| dimensions              | $\varnothing 50 \times 8.5$                                   |      |      |        | mm                 |
| magnet                  | Nd-Fe-B                                                       |      |      |        |                    |
| frame material          | SPCC                                                          |      |      |        |                    |
| cone material           | PET (black)                                                   |      |      |        |                    |
| terminal                | solder pads                                                   |      |      |        |                    |
| weight                  |                                                               |      | 13.2 |        | g                  |
| operating temperature   |                                                               | -20  |      | 60     | $^{\circ}\text{C}$ |
| storage temperature     |                                                               | -30  |      | 70     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 2 seconds                                         |      |      | 380    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                           |      |      |        |                    |

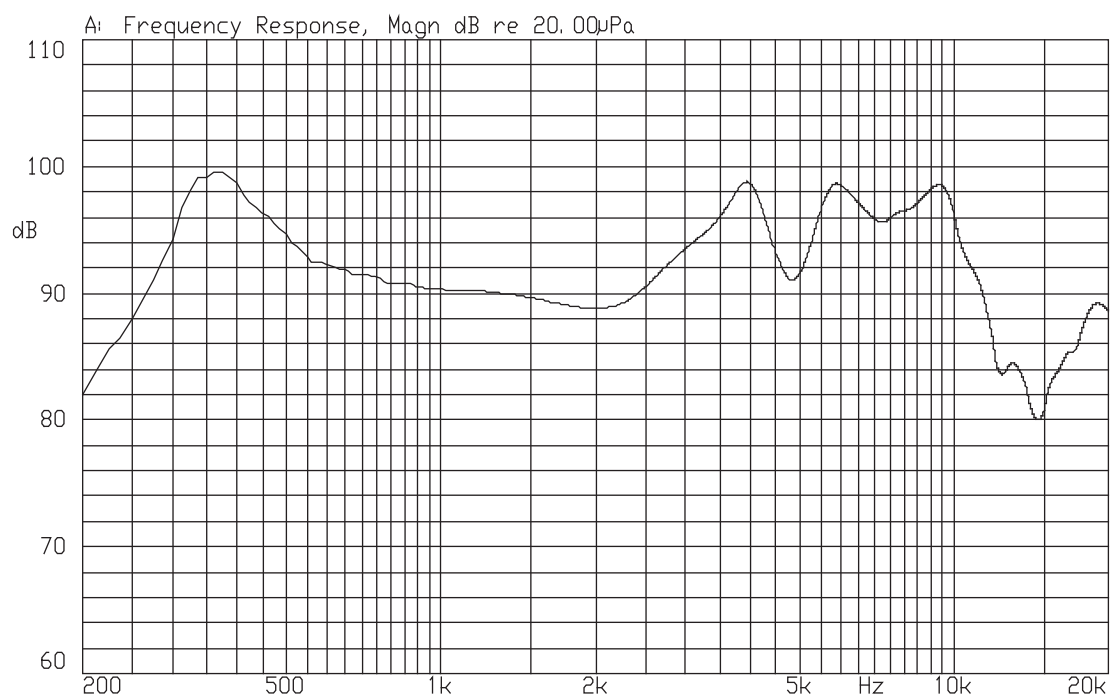
Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE

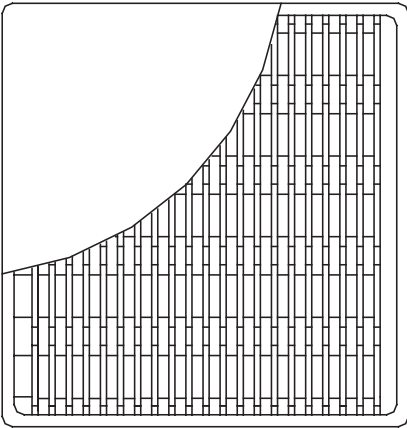


PACKAGING

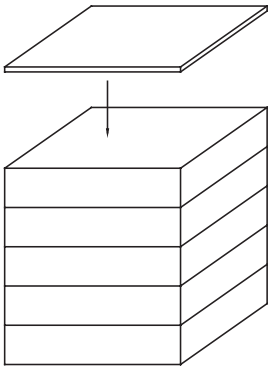
units: mm

Tray QTY: 50 pcs per tray  
Carton Size: 590 x 300 x 310 mm  
Carton QTY: 500 pcs per carton

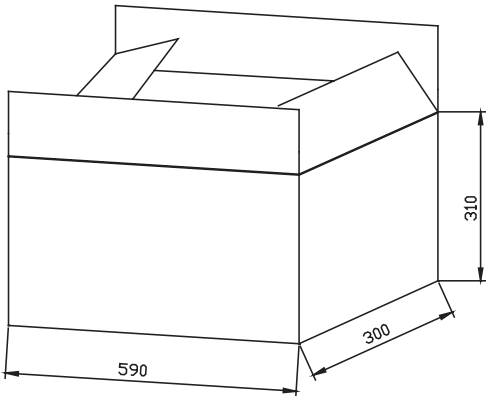
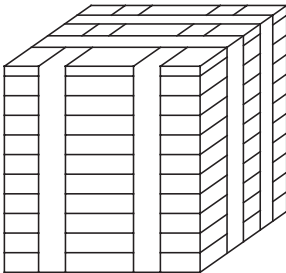
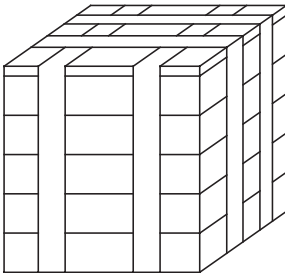
50PCS



50PCS×5=250PCS

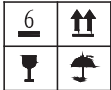


250PCS×2=500PCS



TO:

C/N /



|        |                 |
|--------|-----------------|
| MODEL: |                 |
| QTY:   | PCS             |
| N.W:   | kg              |
| G.W:   | kg              |
| SIZE:  | 59 × 30 × 31 cm |
| LOT NO |                 |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 11/24/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

The revision history provided is for informational purposes only and is believed to be accurate.



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