

MODEL: CDS-4051-16-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 16 Ohm
- rated 1.0 W
- solder pads

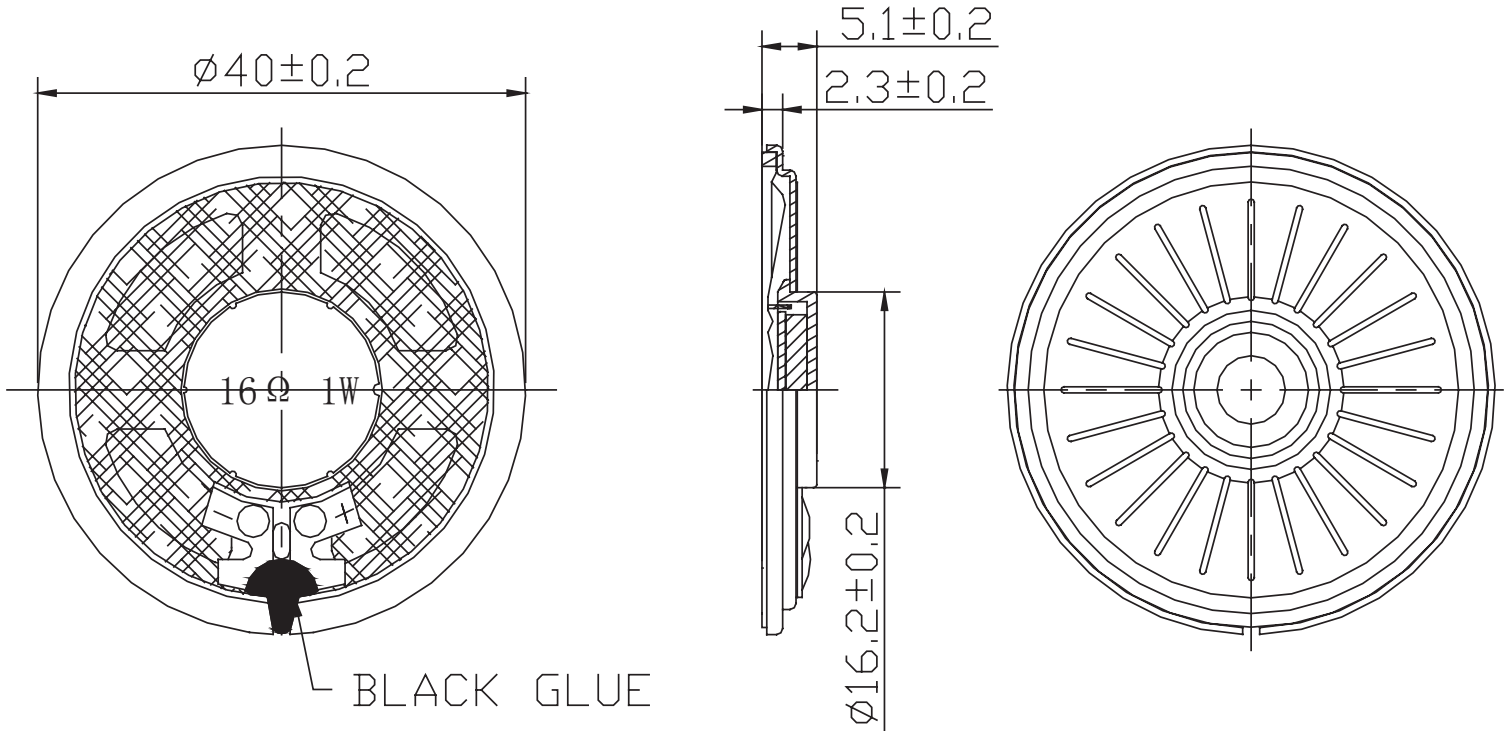
**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|------|-----|-------|--------------|
| input power | max power: 1 minute on, 2 minutes off, 10 cycles | | 1.0 | 1.5 | W |
| impedance | at 2.0 kHz, 1.0 V | 13.6 | 16 | 18.4 | Ω |
| resonant frequency (Fo) | at 1.0 V | 480 | 600 | 720 | Hz |
| frequency response | | Fo | | 6,000 | Hz |
| sound pressure level | in baffleboard | | | | |
| | at 0.1 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz | 89 | 92 | 95 | dB |
| | at 1.0 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz | 99 | 102 | 105 | dB |
| distortion | at 1.0 kHz, rated power | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave, between Fo ~ 6,000 Hz | | | 4.0 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | \varnothing 40 x 5.1 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | SPCC | | | | |
| cone material | PET (black) | | | | |
| terminal | solder pads | | | | |
| weight | | | 9.2 | | g |
| operating temperature | | -20 | | 60 | $^{\circ}$ C |
| storage temperature | | -30 | | 60 | $^{\circ}$ C |
| hand soldering | for maximum 2 seconds | | | 380 | $^{\circ}$ C |
| RoHS | yes | | | | |

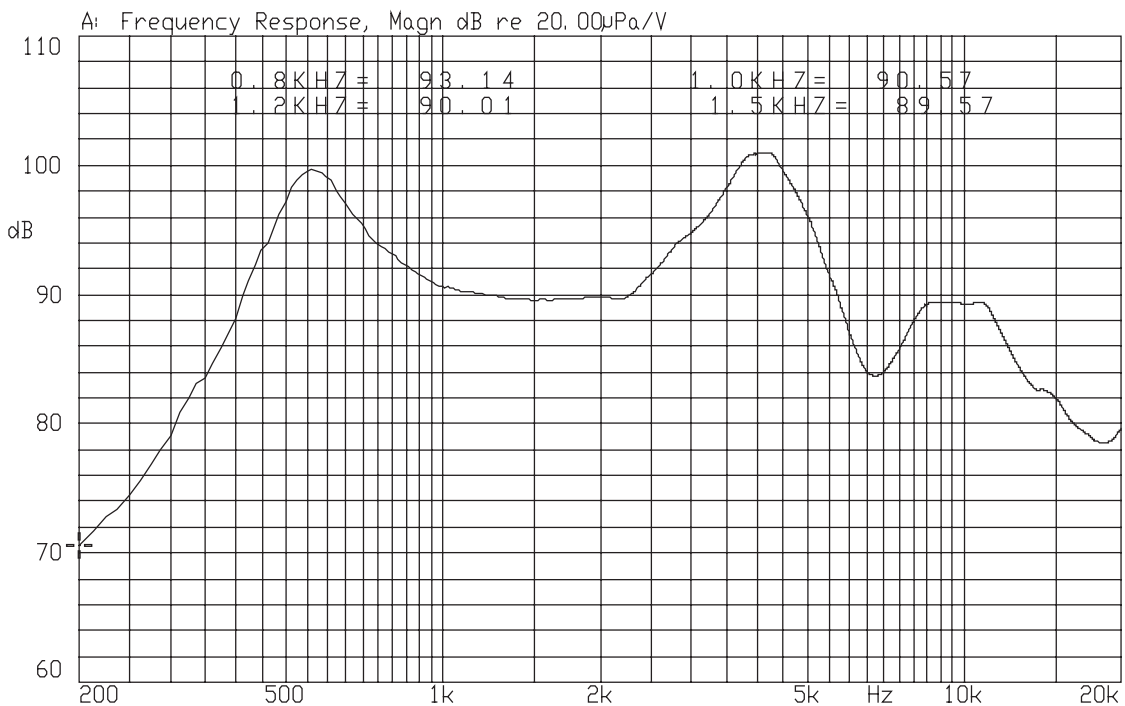
Notes: 1. All specifications measured at 15-35 $^{\circ}$ C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm



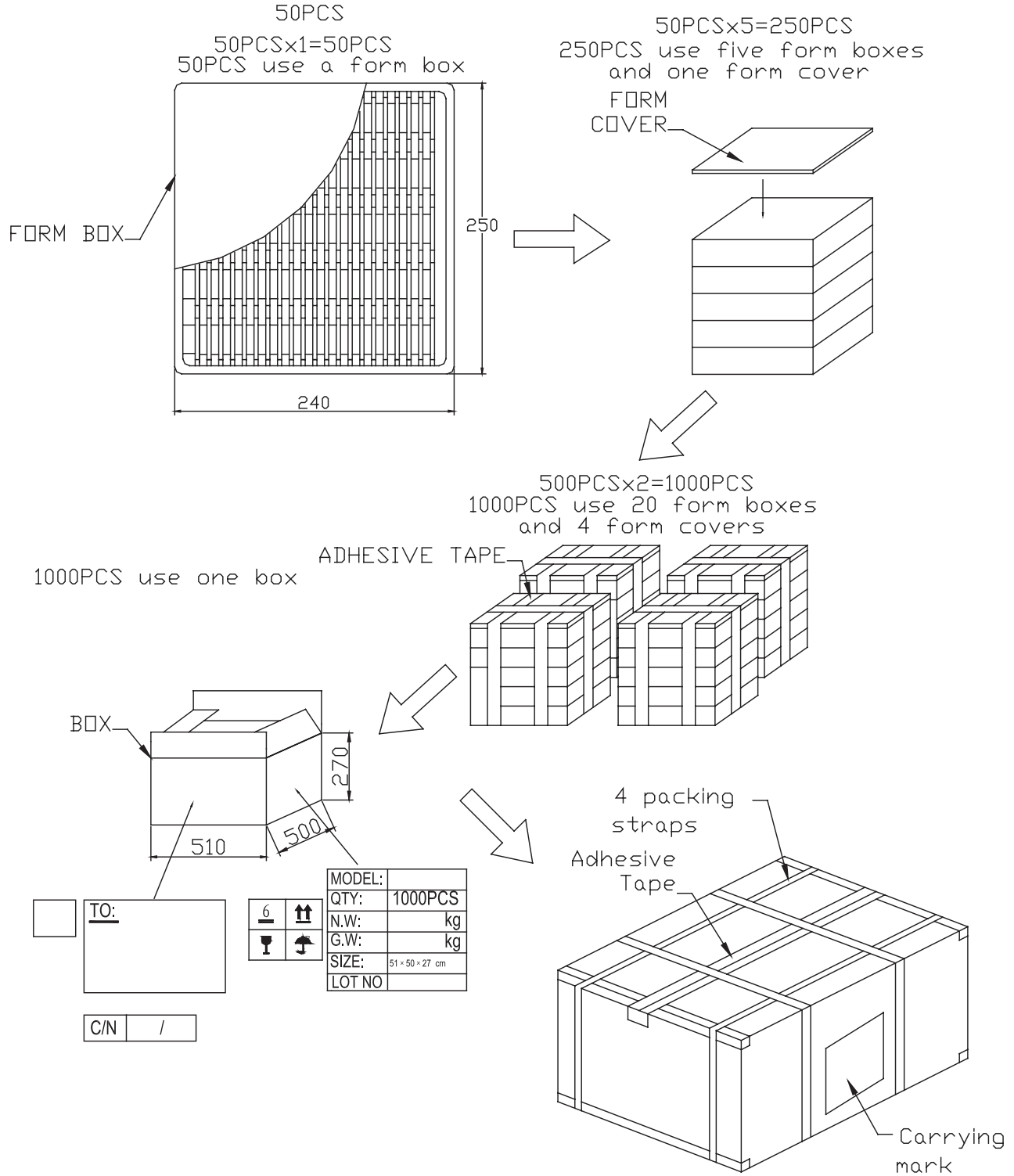
FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Tray Size: 250 x 240 mm
 Tray QTY: 50 pcs per tray
 Carton Size: 510 x 500 x 270 mm
 Carton QTY: 1,000 pcs per carton



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 11/22/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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