



MODEL: CMS-25148N

|

DESCRIPTION: SPEAKER

FEATURES

- 92 dB SPL
- 1050 Hz resonant frequency
- Nd-Fe-B magnet



SPECIFICATIONS

| parameter               | conditions/description                                                     | min | typ  | max    | units        |
|-------------------------|----------------------------------------------------------------------------|-----|------|--------|--------------|
| input power             | maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp |     | 1.0  | 1.5    | W            |
| impedance               | at 1.5 kHz, 1.0 V                                                          | 6.8 | 8    | 9.2    | $\Omega$     |
| resonant frequency (Fo) | at 1.0 V                                                                   | 840 | 1050 | 1260   | Hz           |
| frequency response      | output SPL $\pm$ 10 dB                                                     | Fo  |      | 20,000 | Hz           |
| sound pressure level    | at 1 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz                               | 89  | 92   | 95     | dB           |
| distortion              | at 2 kHz, 1 W                                                              |     |      | 5      | %            |
| buzz, rattle, etc.      | must be normal at sine wave between Fo ~ 20,000 Hz                         |     | 2.83 |        | V            |
| dimensions              | 25.0 x 14.0 x 5.2                                                          |     |      |        | mm           |
| magnet                  | Nd-Fe-B                                                                    |     |      |        |              |
| material                | PBT                                                                        |     |      |        |              |
| cone material           | cloth                                                                      |     |      |        |              |
| terminal                | solder pads                                                                |     |      |        |              |
| weight                  |                                                                            |     | 2.4  |        | g            |
| operating temperature   |                                                                            | -20 |      | 55     | $^{\circ}$ C |
| storage temperature     |                                                                            | -30 |      | 70     | $^{\circ}$ C |
| RoHS                    | yes                                                                        |     |      |        |              |

Notes:

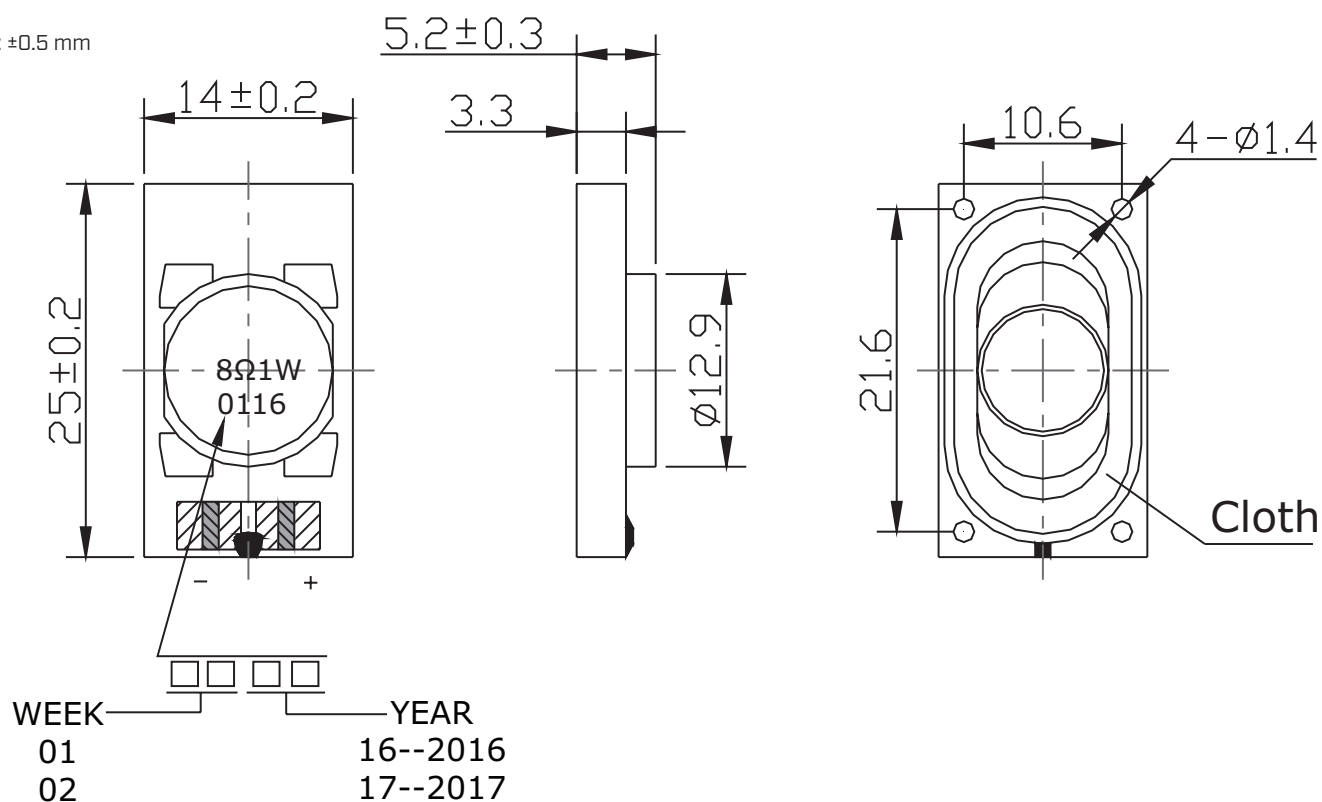
1. All specifications measured at 5-35 $^{\circ}$ C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units        |
|----------------|------------------------|-----|-----|-----|--------------|
| hand soldering | for maximum 3 seconds  | 370 | 380 | 390 | $^{\circ}$ C |

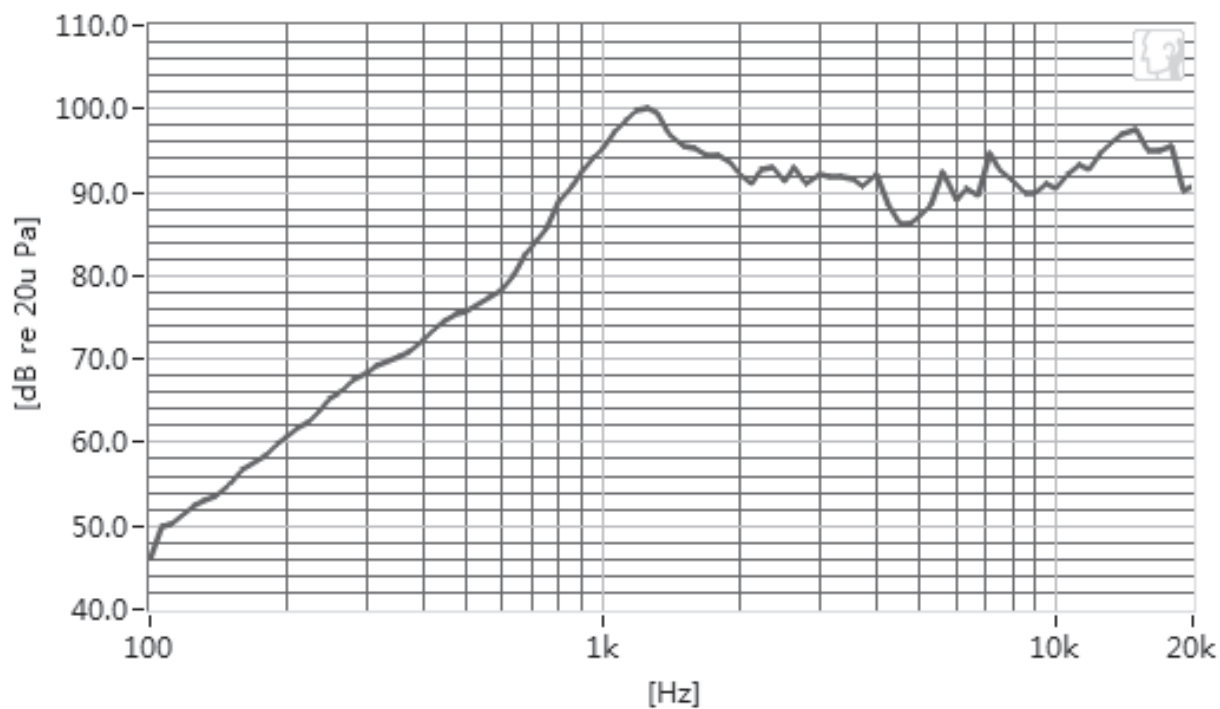
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE

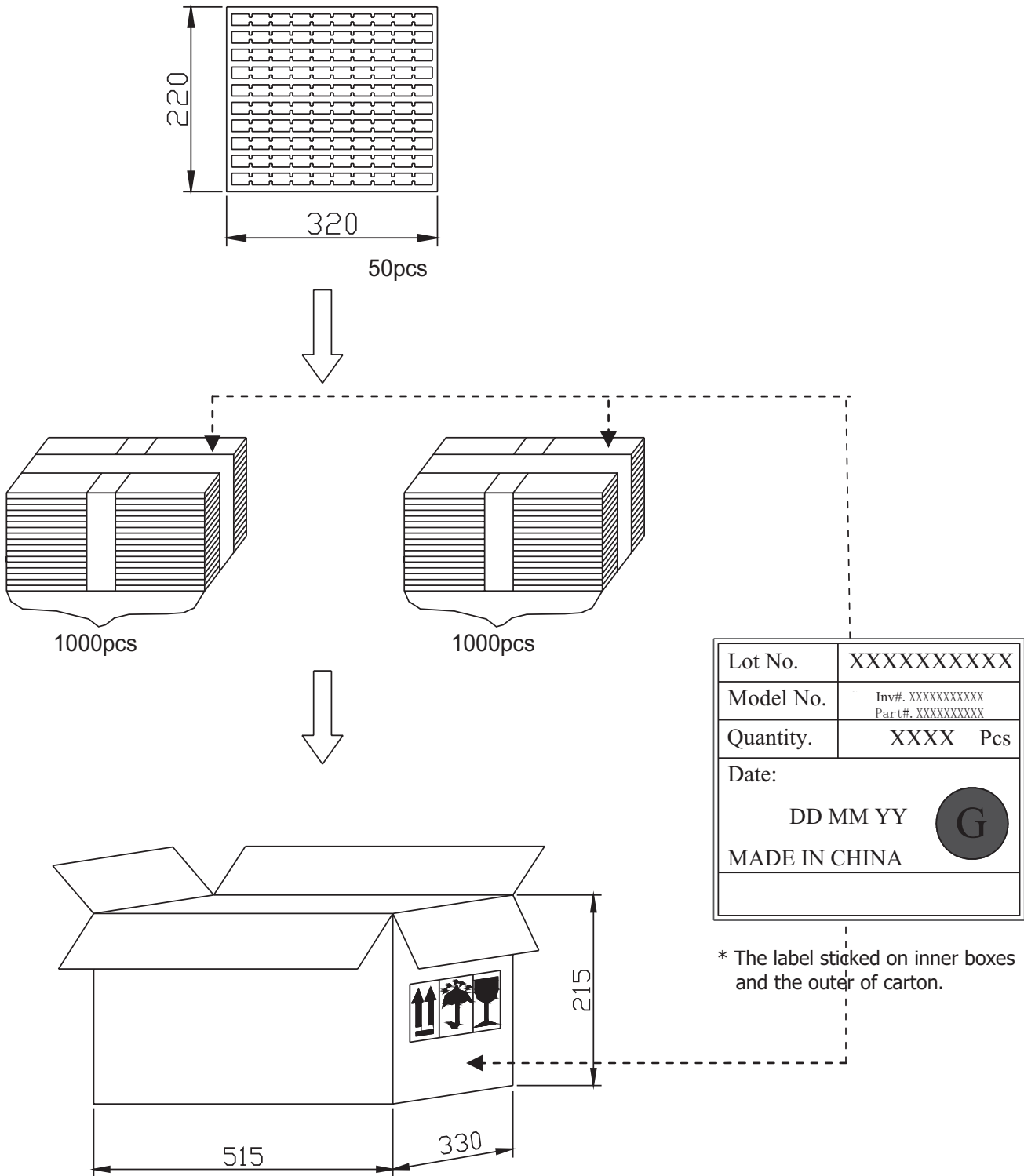
Frequency Response.Magn dB re 20.00 $\mu$  PA (at 1W / 0.1 m)



**PACKAGING**

units: mm

Tray Size: 320 x 220 x 10 mm  
Carton Size: 515 x 330 x 215 mm  
Tray QTY: 50 pcs per tray  
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/23/2016 |
| 1.01 | brand update                      | 01/21/2020 |
| 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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