

**MODEL:** CDMG15008-03A | **DESCRIPTION:** SPEAKER**FEATURES**

- 15 mm round frame
- 0.3 W input power
- 8.0 Ohm
- PEI cone
- neodymium magnet

**SPECIFICATIONS**

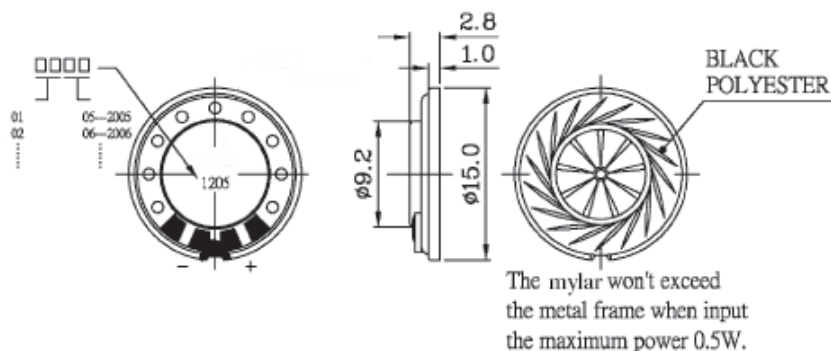
| parameter             | conditions/description                                                      | min | typ | max    | units              |
|-----------------------|-----------------------------------------------------------------------------|-----|-----|--------|--------------------|
| input power           | max. power: IEC-60268-5, filter 80 s on / 120 s off, 10 cycles at room temp |     | 0.3 | 0.5    | W                  |
| impedance             | at 1.5 kHz, 1 V                                                             | 6.8 | 8   | 9.2    | $\Omega$           |
| resonant frequency    | at 1 V                                                                      | 720 | 900 | 1,080  | Hz                 |
| response              |                                                                             |     |     | 20,000 | Hz                 |
| sound pressure level  | at 0.3 W, 10 cm ave. at 1.0, 1.2, 1.5, 2.0 kHz                              | 87  | 92  | 95     | dB                 |
|                       | at 1.0 W, 1 m ave. at 1.0, 1.2, 1.5, 2.0 kHz                                | 85  | 88  | 91     | dB                 |
| distortion            | at 1.5 kHz, 0.3 W                                                           |     |     | 10     | %                  |
| buzz, rattle, etc.    | must be normal at sine wave between Fo-20 kHz                               |     |     | 1.55   | V                  |
| dimensions            | $\varnothing 15 \times 2.8$                                                 |     |     |        | mm                 |
| magnet                | Nd-Fe-B                                                                     |     |     |        |                    |
| material              | metal                                                                       |     |     |        |                    |
| cone material         | PEI                                                                         |     |     |        |                    |
| terminal              | solder pads                                                                 |     |     |        |                    |
| operating temperature |                                                                             | -40 |     | 85     | $^{\circ}\text{C}$ |
| weight                |                                                                             |     | 1.2 |        | g                  |
| RoHS                  | yes                                                                         |     |     |        |                    |

**SOLDERABILITY**

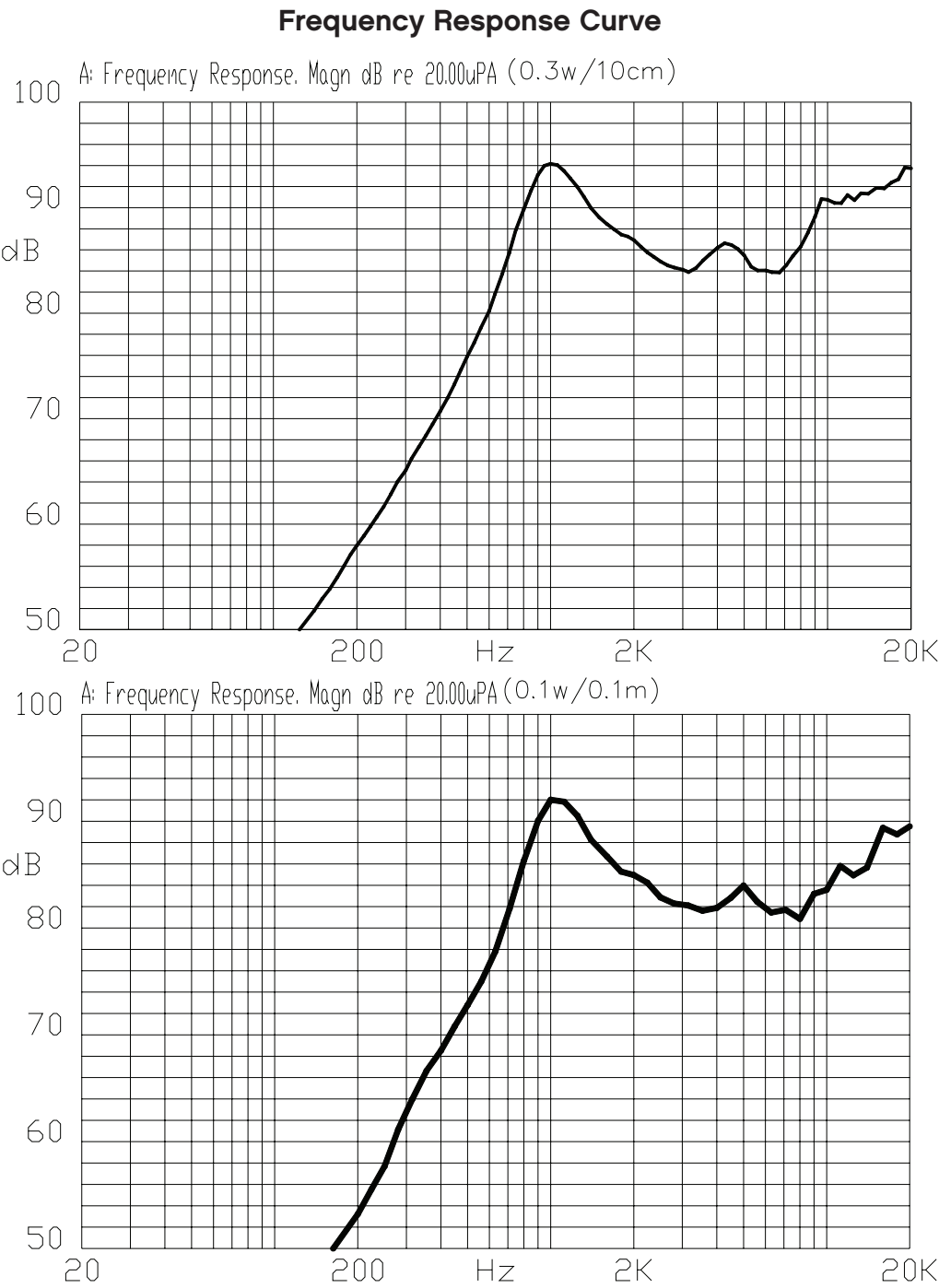
| parameter      | conditions/description | min | typ | max | units              |
|----------------|------------------------|-----|-----|-----|--------------------|
| hand soldering | for 3 $\pm$ 1 seconds  | 360 | 370 | 380 | $^{\circ}\text{C}$ |

**MECHANICAL DRAWING**

units: mm  
tolerance:  $\pm 0.2$  mm



RESPONSE CURVES



THIELE-SMALL PARAMETERS

| parameter                    | conditions/description | typ     |
|------------------------------|------------------------|---------|
| Mechanical Q Factor          | Qms                    | 9.5705  |
| Electrical Q Factor          | Qes                    | 13.9718 |
| Total Q Factor               | Qts                    | 5.6799  |
| Compliance Equivalent Volume | Vas                    | 0.0102  |

Notes: 2. Results represent typical performance in Free Air conditions.

## PACKAGING

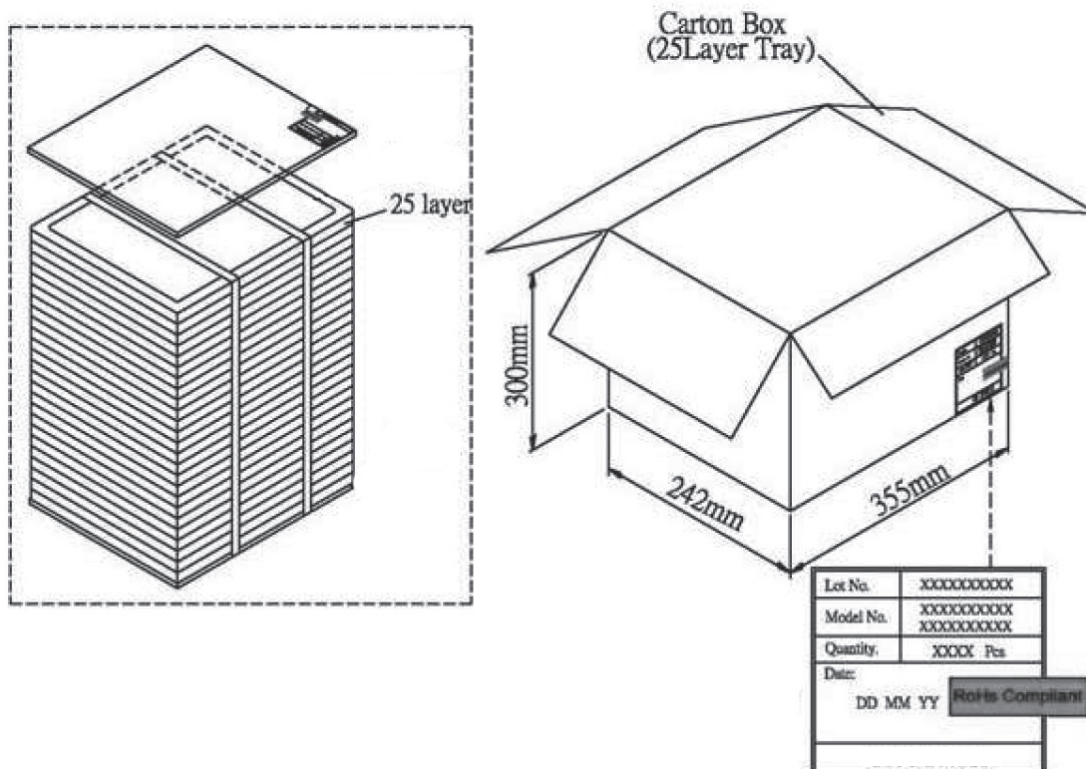
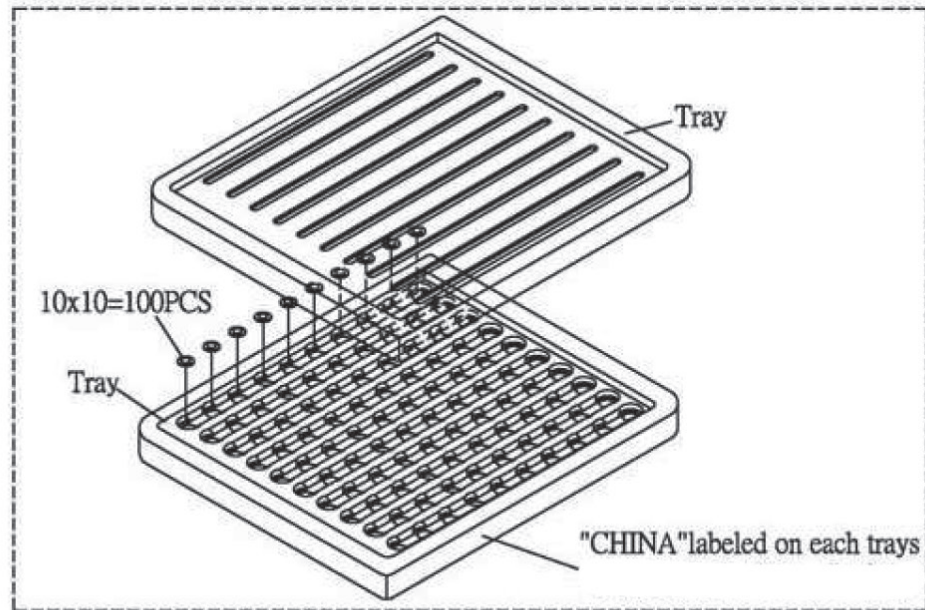
units: mm

Tray Size: 350 x 235 x 20 mm

Tray QTY: 100 pcs per tray

Carton Size: 355 x 242 x 300 mm

Carton QTY: 2,500 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/06/2006 |
| 1.01 | brand update                      | 04/15/2021 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.04 | added Thiele-Small Parameters     | 02/07/2025 |

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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