

**MODEL:** CMS-40288N | **DESCRIPTION:** SPEAKER**FEATURES**

- 85 dB SPL
- 550 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 |     | 2.0  | 3.0    | W        |
| impedance               | at 1.5 kHz                                                                 | 6.8 | 8    | 9.2    | $\Omega$ |
| resonant frequency (Fo) |                                                                            | 440 | 550  | 660    | Hz       |
| frequency response      | output SPL -10 dB                                                          | Fo  |      | 20,000 | Hz       |
| sound pressure level    | at 1 W, 0.3 m ave, at 0.8, 1.0, 1.2, 1.5 kHz                               | 82  | 85   | 88     | dB       |
| distortion              | at 2.0 kHz, 1 W                                                            |     |      | 5      | %        |
| buzz, rattle, etc.      | must be normal at sine wave between Fo ~ 20,000 Hz                         |     | 4.0  |        | V        |
| dimensions              | 40.0 x 28.2 x 11.8                                                         |     |      |        | mm       |
| magnet                  | Nd-Fe-B                                                                    |     |      |        |          |
| material                | ABS                                                                        |     |      |        |          |
| cone material           | cloth                                                                      |     |      |        |          |
| terminal                | solder terminals                                                           |     |      |        |          |
| weight                  |                                                                            |     | 12.6 |        | g        |
| operating temperature   |                                                                            | -30 |      | 70     | °C       |
| storage temperature     |                                                                            | -40 |      | 85     | °C       |
| RoHS                    | yes                                                                        |     |      |        |          |

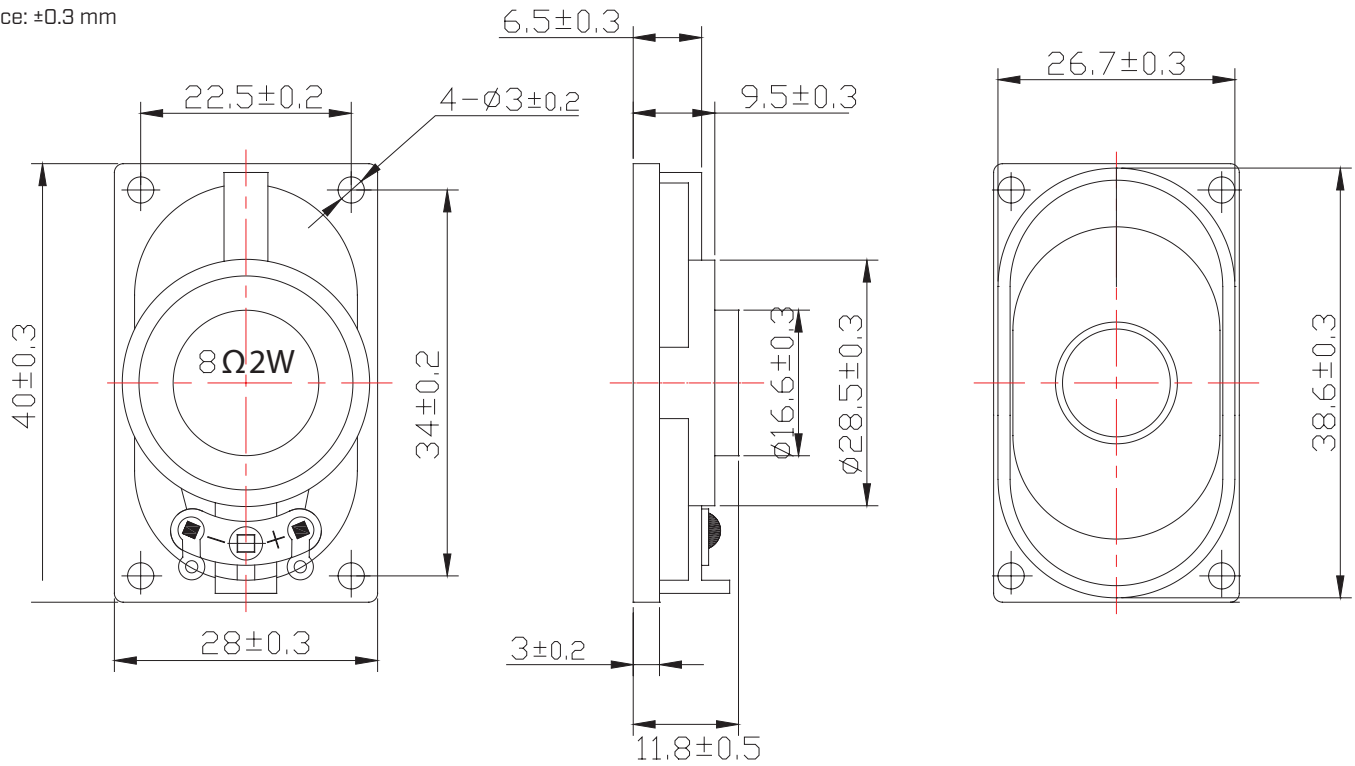
Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

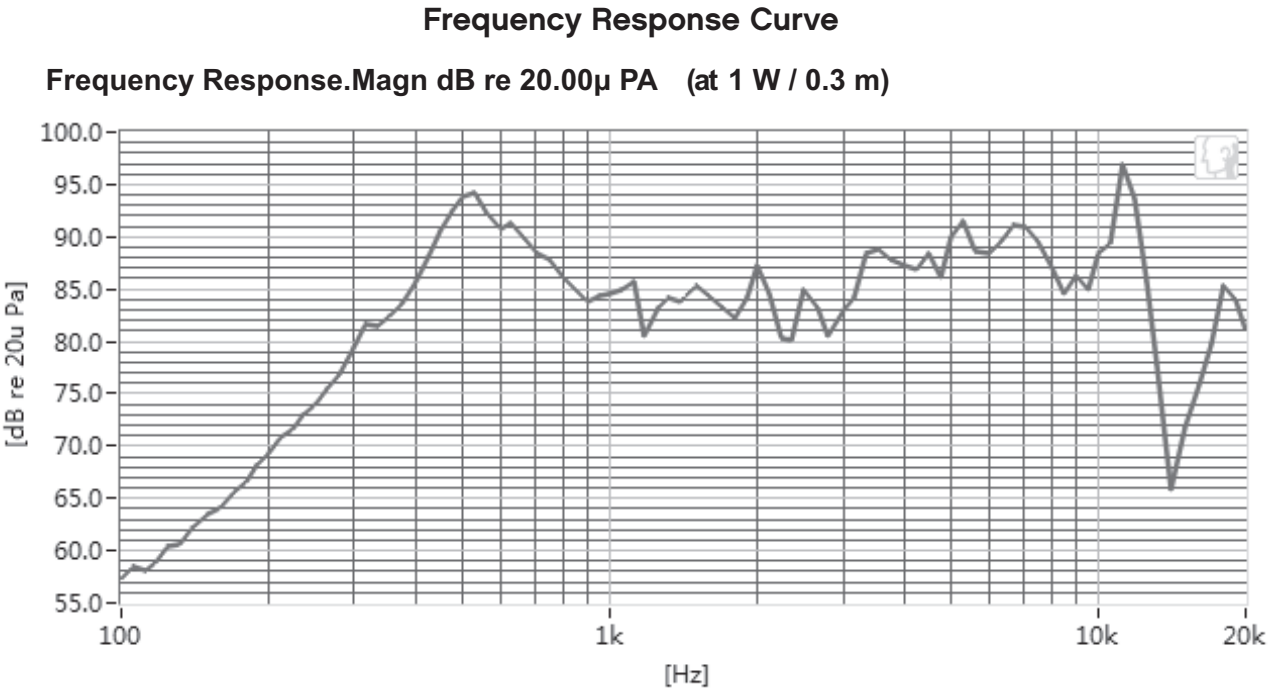
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds  | 370 | 380 | 390 | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm



RESPONSE CURVES



THIELE-SMALL PARAMETERS

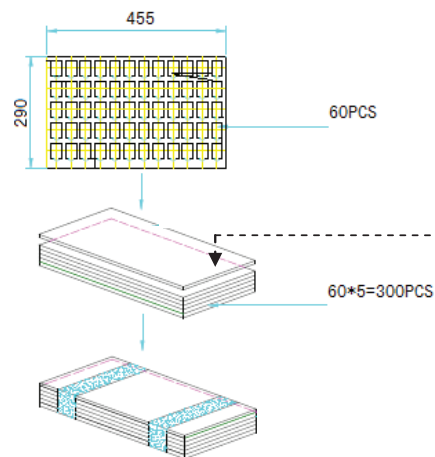
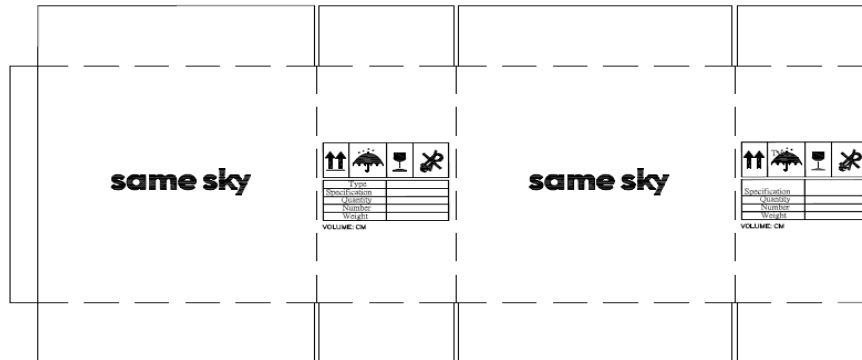
| parameter                    | conditions/description | typ    |
|------------------------------|------------------------|--------|
| Mechanical Q Factor          | Qms                    | 5.888  |
| Electrical Q Factor          | Qes                    | 7.993  |
| Total Q Factor               | Qts                    | 3.39   |
| Compliance Equivalent Volume | Vas                    | 0.0186 |

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

## PACKAGING

units: mm

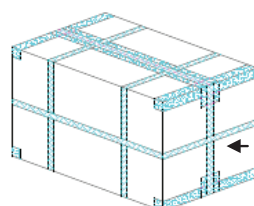
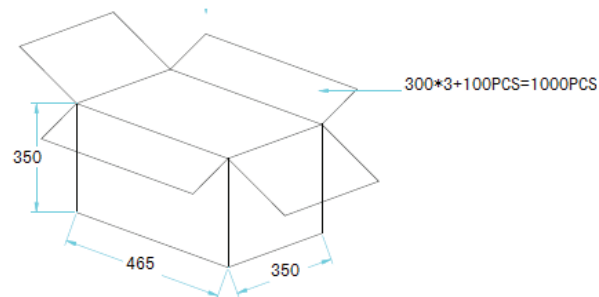
Tray Size: 455 x 290 x 15 mm  
Carton Size: 465 x 350 x 350 mm  
Tray QTY: 60 pcs per tray  
Carton QTY: 1,000 pcs per carton



|               |                                       |
|---------------|---------------------------------------|
| Lot No.       | XXXXXXXXXX                            |
| Part No.      | Inv#. XXXXXXXXXX<br>Part#. XXXXXXXXXX |
| Quantity      | XXXX Pcs                              |
| Date:         | WW YY                                 |
| MADE IN CHINA |                                       |
| Same Sky      |                                       |

RoHS Compliant

|                            |            |
|----------------------------|------------|
| (1P)Same Sky Catalog#:     | XXXXXXXXXX |
| (Q)Quantity: XXXX          | (4L)COO:CN |
| (1T)Lot Number: XXXXXXXXXX |            |
| (10D)Date Code: XXXX       |            |
| RoHS compliant             |            |



|               |                                       |
|---------------|---------------------------------------|
| Lot No.       | XXXXXXXXXX                            |
| Part No.      | Inv#. XXXXXXXXXX<br>Part#. XXXXXXXXXX |
| Quantity      | XXXX Pcs                              |
| Date:         | WW YY                                 |
| MADE IN CHINA |                                       |
| Same Sky      |                                       |

RoHS Compliant

REVISION HISTORY

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