

**MODEL:** CMS-28468N | **DESCRIPTION:** SPEAKER**FEATURES**

- miniature speaker
- 95 dB SPL
- Nd-Fe-B magnet

**SPECIFICATIONS**

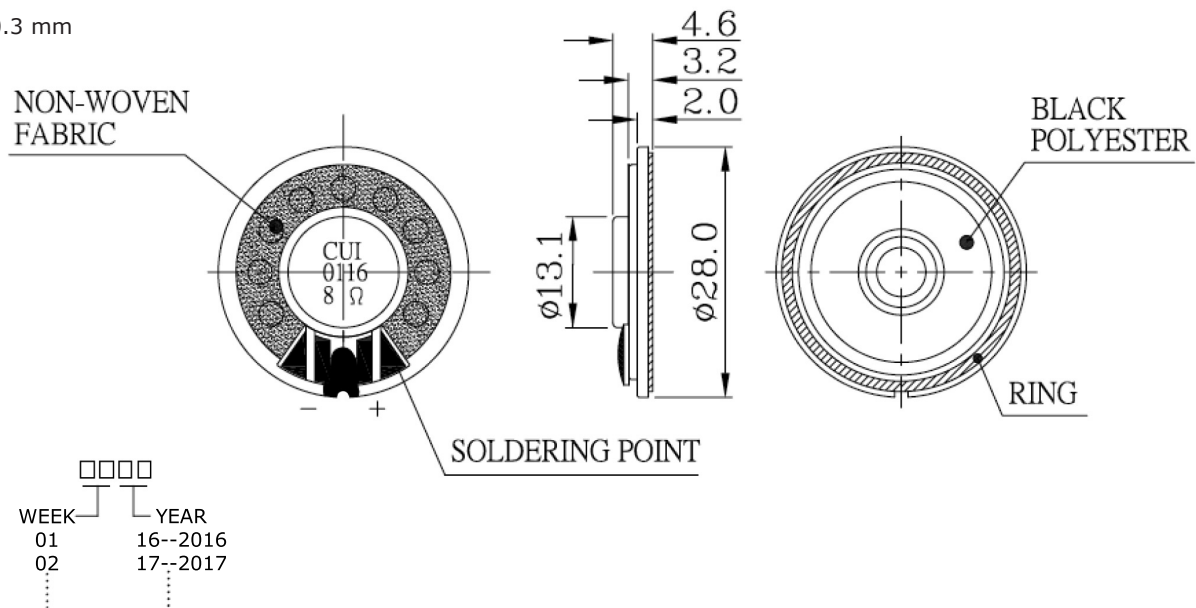
| parameter               | conditions/description                                                     | min | typ | max   | units              |
|-------------------------|----------------------------------------------------------------------------|-----|-----|-------|--------------------|
| input power             | maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp |     | 0.5 | 1.0   | W                  |
| impedance               | at 1.0 kHz, 1.0 V                                                          | 6.8 | 8   | 9.2   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                                                   | 480 | 600 | 720   | Hz                 |
| frequency response      | output SPL $\pm 10$ dB                                                     | Fo  |     | 6,000 | Hz                 |
| sound pressure level    | at 0.5 W, 0.1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz                             | 92  | 95  | 98    | dB                 |
|                         | at 1 W, 1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz                                 | 76  | 79  | 82    | dB                 |
| distortion              | at 1.0 kHz, 0.5 W                                                          |     |     | 10    | %                  |
| buzz, rattle, etc.      | must be normal at sine wave between Fo ~ 6,000 kHz                         |     | 2.0 |       | V                  |
| dimensions              | $\varnothing 28.0 \times 4.6$                                              |     |     |       | mm                 |
| magnet                  | Nd-Fe-B                                                                    |     |     |       |                    |
| material                | metal                                                                      |     |     |       |                    |
| cone material           | mylar                                                                      |     |     |       |                    |
| terminal                | solder pads                                                                |     |     |       |                    |
| weight                  |                                                                            |     | 5.3 |       | g                  |
| operating temperature   |                                                                            | -20 |     | 55    | $^{\circ}\text{C}$ |
| storage temperature     |                                                                            | -20 |     | 55    | $^{\circ}\text{C}$ |
| RoHS                    | 2011/65/EU                                                                 |     |     |       |                    |

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

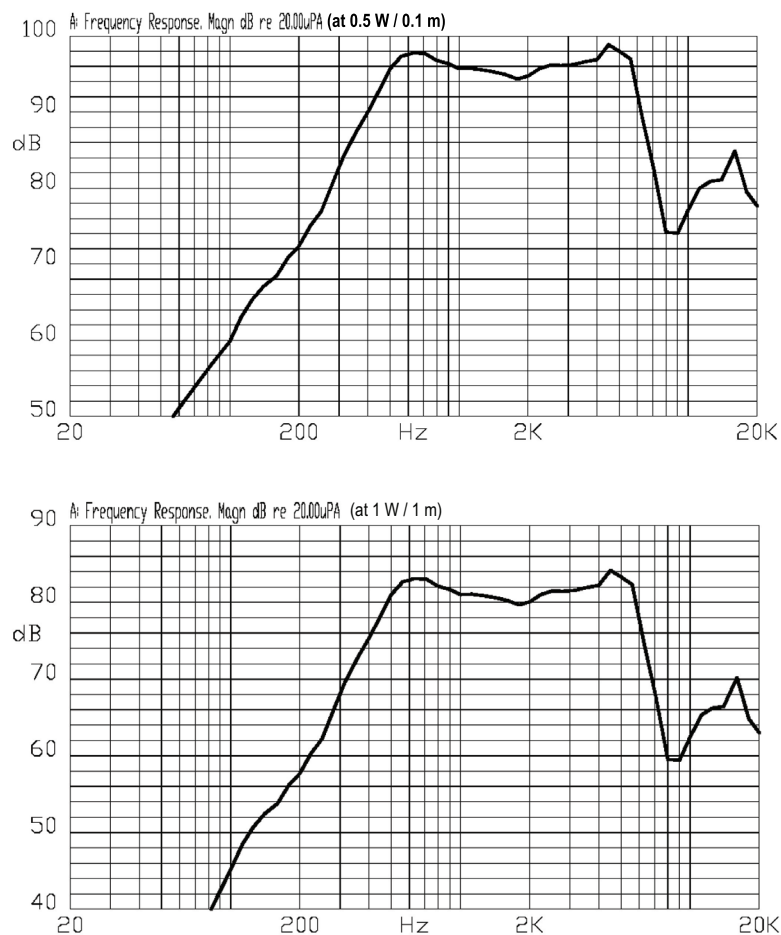
| parameter      | conditions/description | min | typ | max | units              |
|----------------|------------------------|-----|-----|-----|--------------------|
| hand soldering | for 3 $\pm$ 1 seconds  | 330 | 370 | 380 | $^{\circ}\text{C}$ |

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm



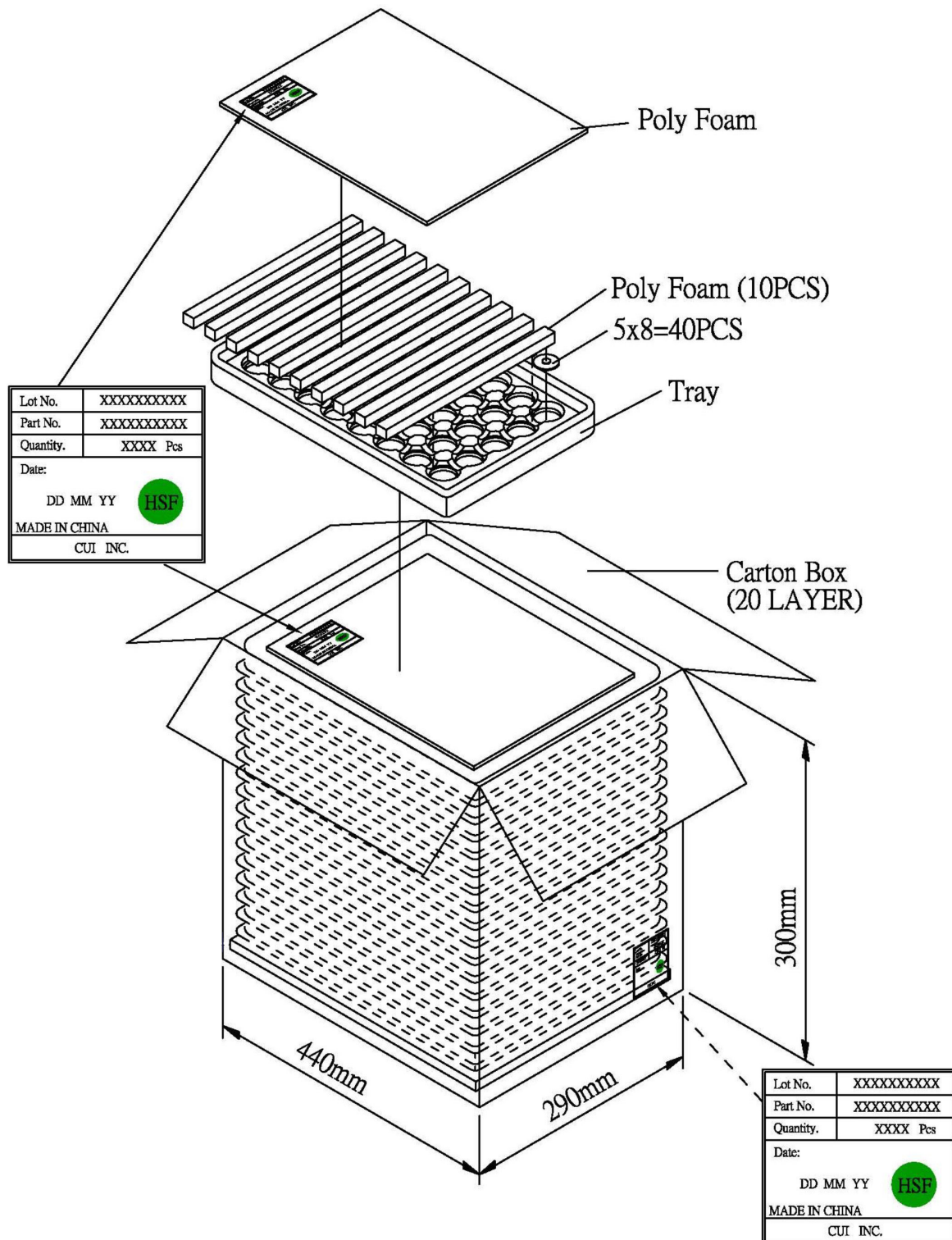
## FREQUENCY RESPONSE CURVES



## PACKAGING

units: mm

Tray Size: 420 x 270 x 22 mm  
Carton Size: 440 x 290 x 300 mm  
Tray QTY: 40 pcs per tray  
Carton QTY: 800 pcs per carton



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 06/24/2016 |

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



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

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