

**MODEL:** CMS-29958F | **DESCRIPTION:** SPEAKER
**FEATURES**

- miniature speaker
- 650 Hz resonant frequency
- ferrite 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 |     | 0.1  | 0.2   | W                  |
| impedance               | at 1.0 kHz, 1.0 V  | 6.8 | 8    | 9.2   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V   | 520 | 650  | 780   | Hz                 |
| frequency response      | output SPL $\pm 10$ dB   | Fo  |      | 4,000 | Hz                 |
| sound pressure level    | at 0.1 W, 0.1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz                             | 85  | 88   | 91    | dB                 |
|                         | at 1 W, 1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz                                 | 75  | 78   | 81    | dB                 |
| distortion              | at 1.0 kHz, 0.1 W  |     |      | 10    | %                  |
| buzz, rattle, etc.      | must be normal at sine wave between Fo ~ 4,000 kHz                         |     | 0.89 |       | V                  |
| dimensions              | $\varnothing 29.0 \times 9.5$  |     |      |       | mm                 |
| magnet                  | ferrite ( $\varnothing 16.0 \times 7 \times 5$ mm)                         |     |      |       |                    |
| material                | ABS UL-94 1/16" HB   |     |      |       |                    |
| cone material           | mylar  |     |      |       |                    |
| terminal                | solder pads  |     |      |       |                    |
| weight                  |  |     | 8.0  |       | g                  |
| operating temperature   |  | -20 |      | 55    | $^{\circ}\text{C}$ |
| storage temperature     |  | -20 |      | 55    | $^{\circ}\text{C}$ |
| RoHS                    | 2011/65/EU   |     |      |       |                    |

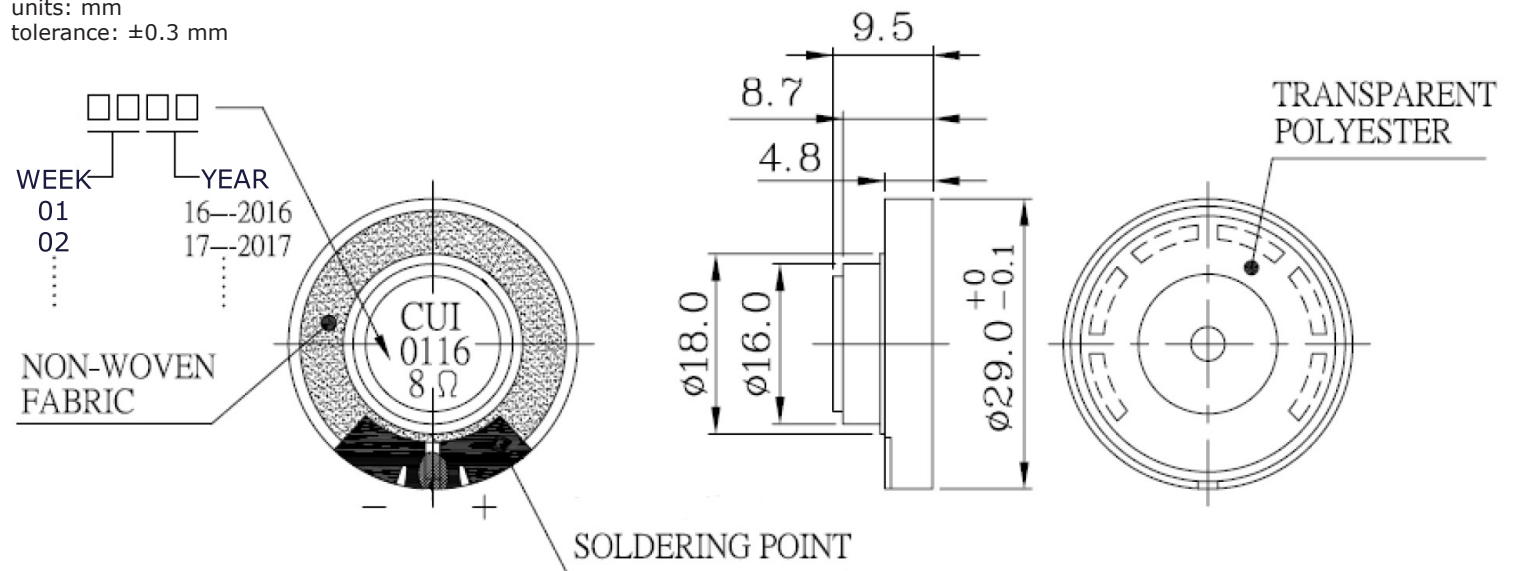
Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

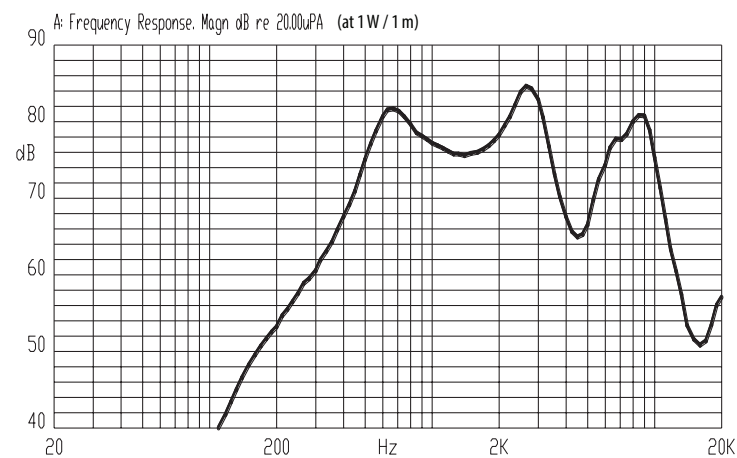
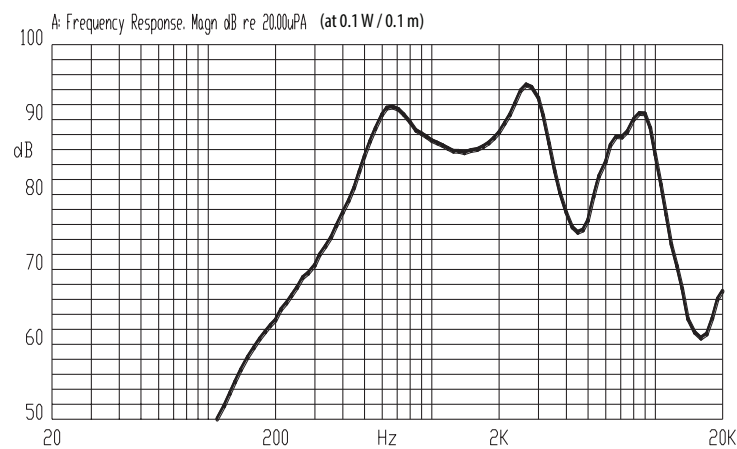
| parameter      | conditions/description | min | typ | max | units              |
|----------------|------------------------|-----|-----|-----|--------------------|
| hand soldering | for 3 $\pm$ 1 seconds  | 360 | 370 | 380 | $^{\circ}\text{C}$ |

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm



## FREQUENCY RESPONSE CURVES



## PACKAGING

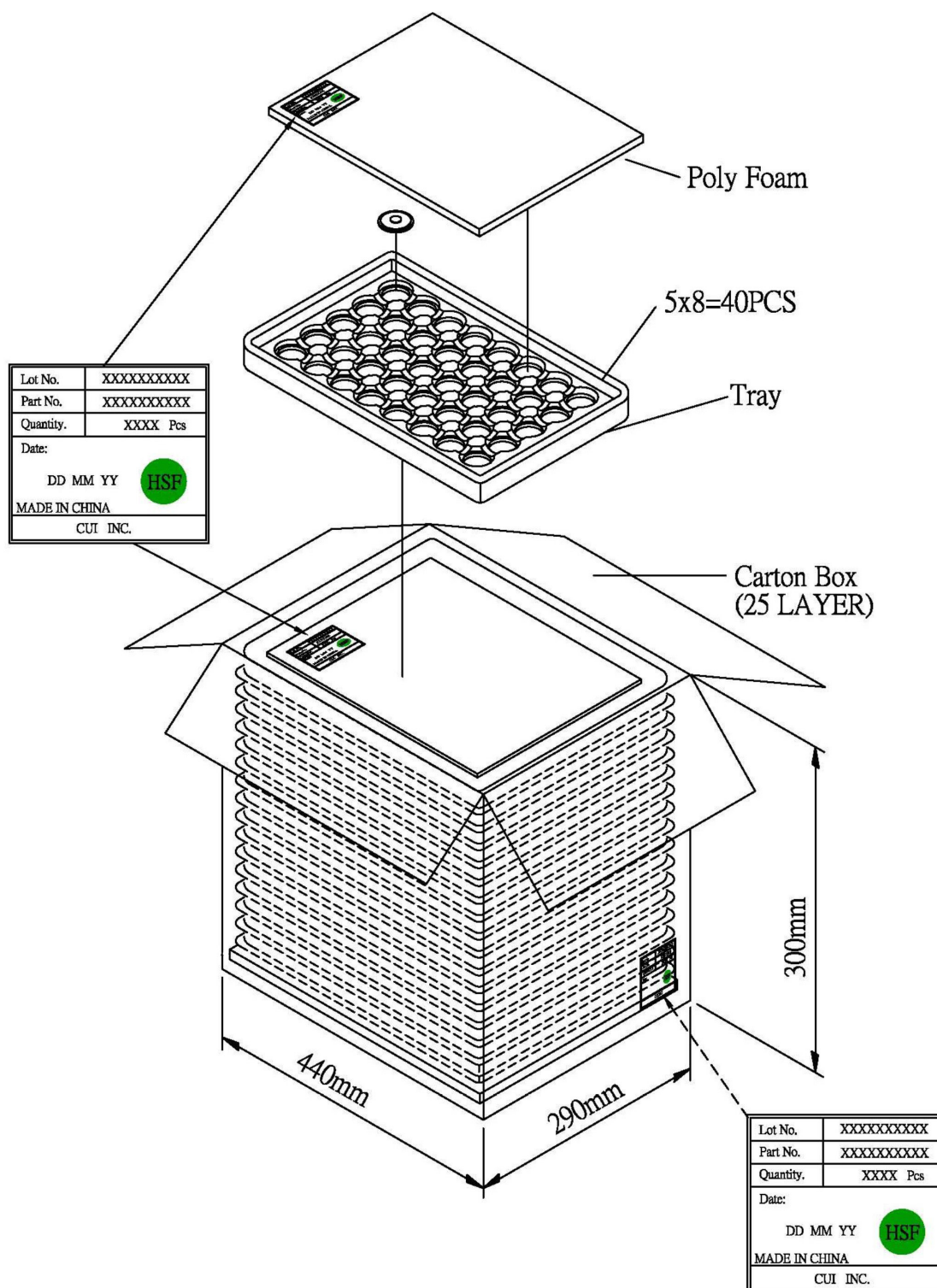
units: mm

Tray Size: 420 x 270 x 22 mm

Carton Size: 440 x 290 x 300 mm

Tray QTY: 40 pcs per tray

Carton QTY: 1,000 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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