

**MODEL:** CES-302611-158PM-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- IP67 rated
- 8 ohm rated impedance
- 1.5 W rated power

**SPECIFICATIONS**

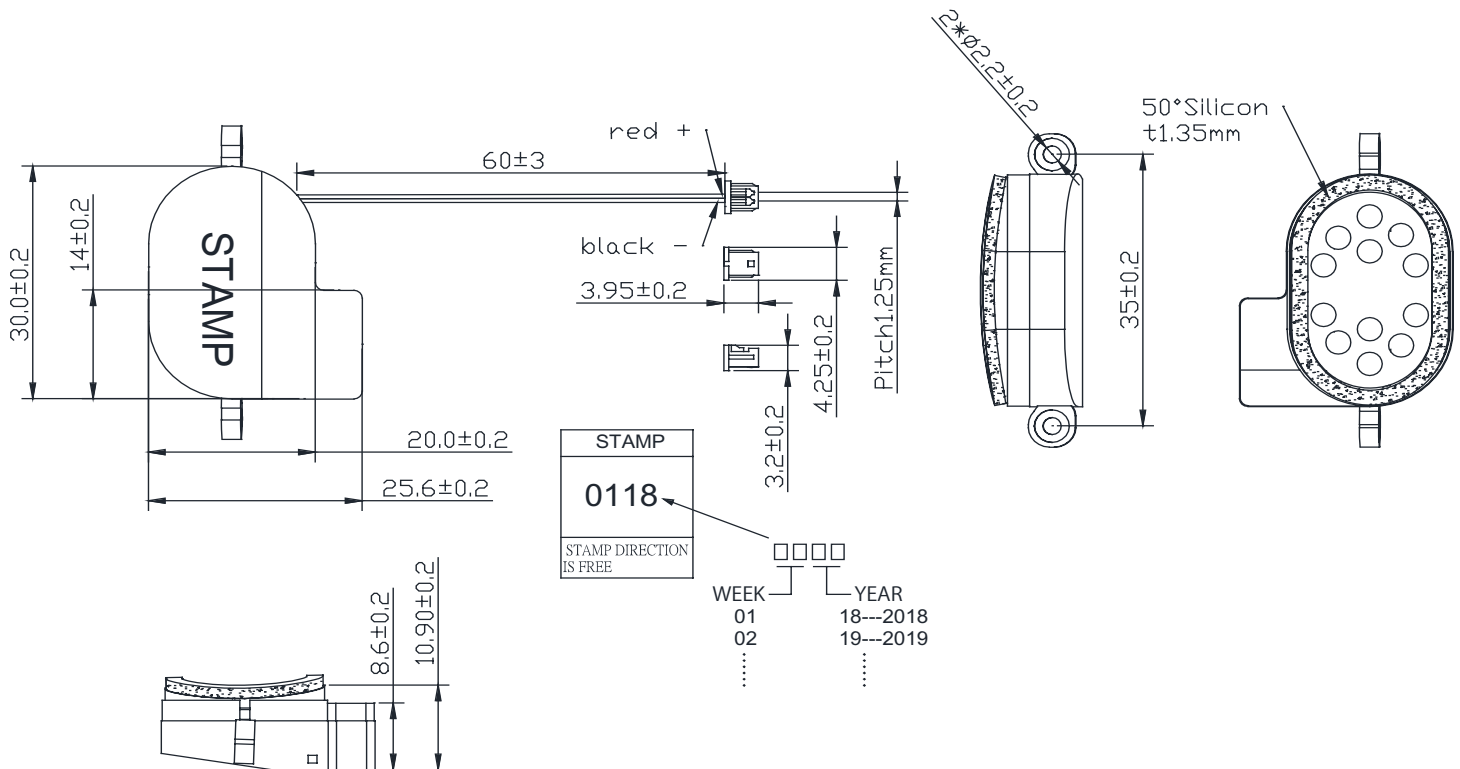
| parameter               | conditions/description   | min | typ | max    | units              |
|-------------------------|--|-----|-----|--------|--------------------|
| input power             | max power: IEC-60268-5, filter 50 seconds on, 120 seconds off, 10 cycles (room temp) |     | 1.5 | 1.8    | W                  |
| impedance               | at 2.0 kHz, 1.0 V  | 6.8 | 8   | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V   | 720 | 900 | 1,080  | Hz                 |
| frequency response      |  | Fo  |     | 15,000 | Hz                 |
| sound pressure level    | at 1.5 W, 10 cm, avg at 2.0 kHz  | 92  | 95  | 98     | dB                 |
| distortion              | at 1.0 kHz, rated power, 10 cm   |     |     | 10     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range   |     |     | 3.46   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal                            |     |     |        |                    |
| dimensions              | 30.0 x 25.6 x 10.9   |     |     |        | mm                 |
| magnet                  | Nd-Fe-B  |     |     |        |                    |
| enclosure material      | ABS  |     |     |        |                    |
| cone material           | PU+PEI   |     |     |        |                    |
| terminal                | wire leads with connector  |     |     |        |                    |
| weight                  |  |     | 5.7 |        | g                  |
| operating temperature   |  | -20 |     | 60     | $^{\circ}\text{C}$ |
| storage temperature     |  | -30 |     | 70     | $^{\circ}\text{C}$ |
| RoHS                    | yes  |     |     |        |                    |
| IP level                | IP67 (front side)  |     |     |        |                    |

Notes: 1. All specifications measured at 25-75 $^{\circ}\text{C}$ , humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

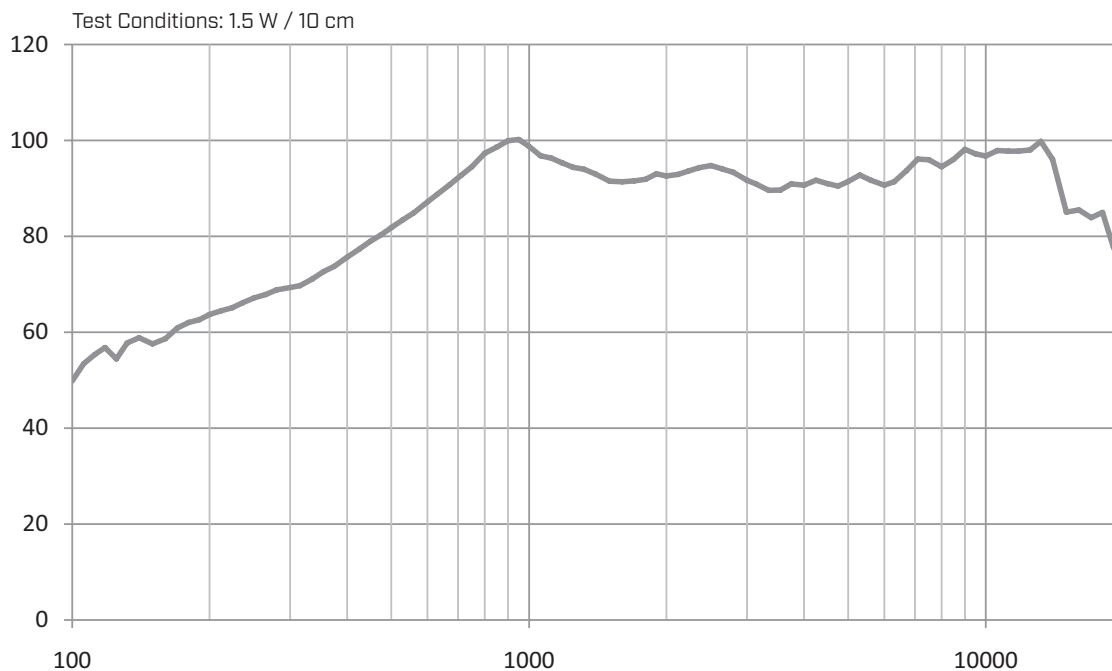
units: mm  
tolerance:  $\pm 0.2$  mm

wire: UL3302 30 AWG  
connector: Molex 51021-Q200 or equivalent; P=1.25

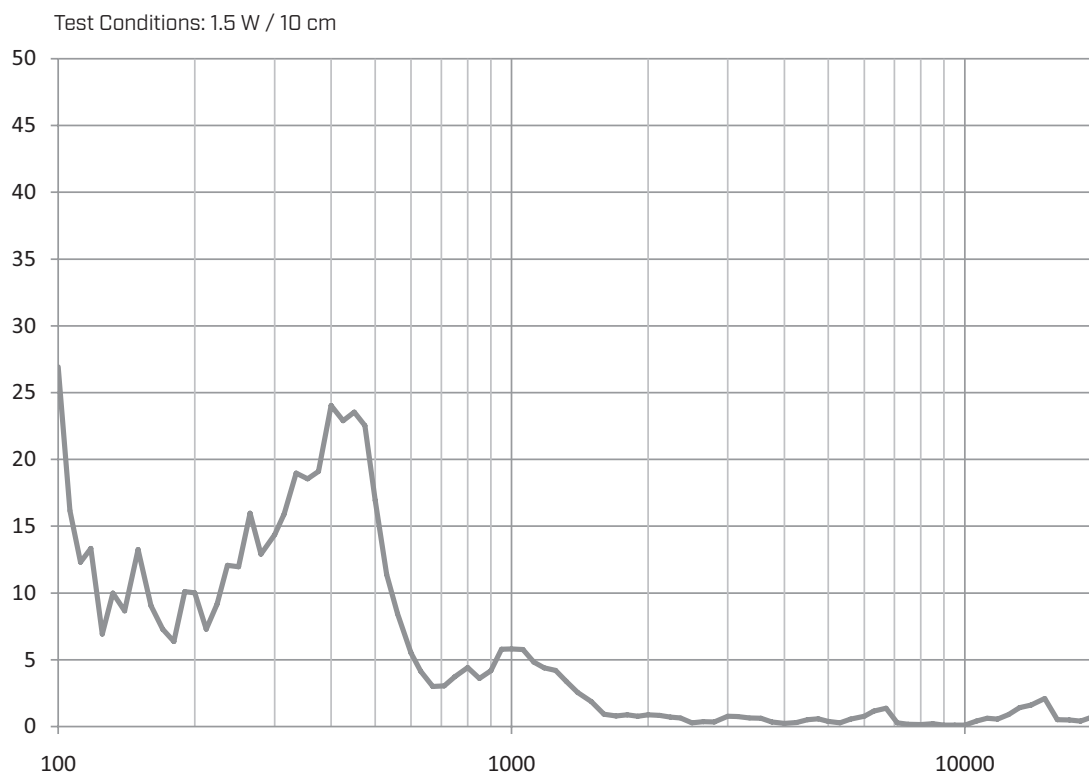


## RESPONSE CURVES

### Frequency Response Curve



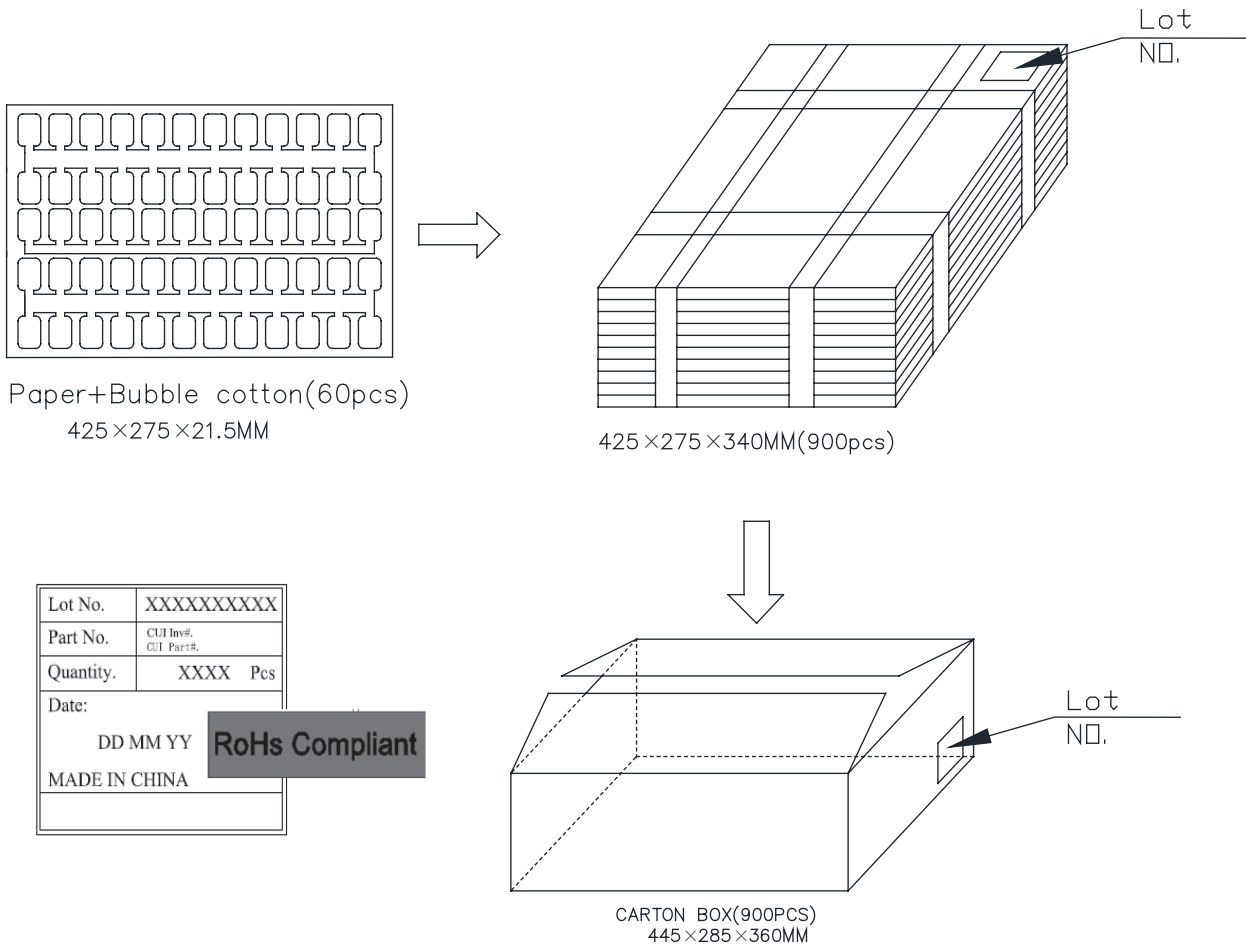
### Total Harmonic Distortion Curve



## PACKAGING

units: mm

Tray Size: 425 x 275 x 21.5 mm  
 Tray QTY: 60 pcs per tray  
 Carton Size: 445 x 285 x 360 mm  
 Carton QTY: 900 pcs per carton



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 06/08/2020 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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



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