

**MODEL:** CMS-30204-18L250 | **DESCRIPTION:** SPEAKER

**FEATURES**

- 8 ohm
- rated 1.0 W
- lead wire


**SPECIFICATIONS**

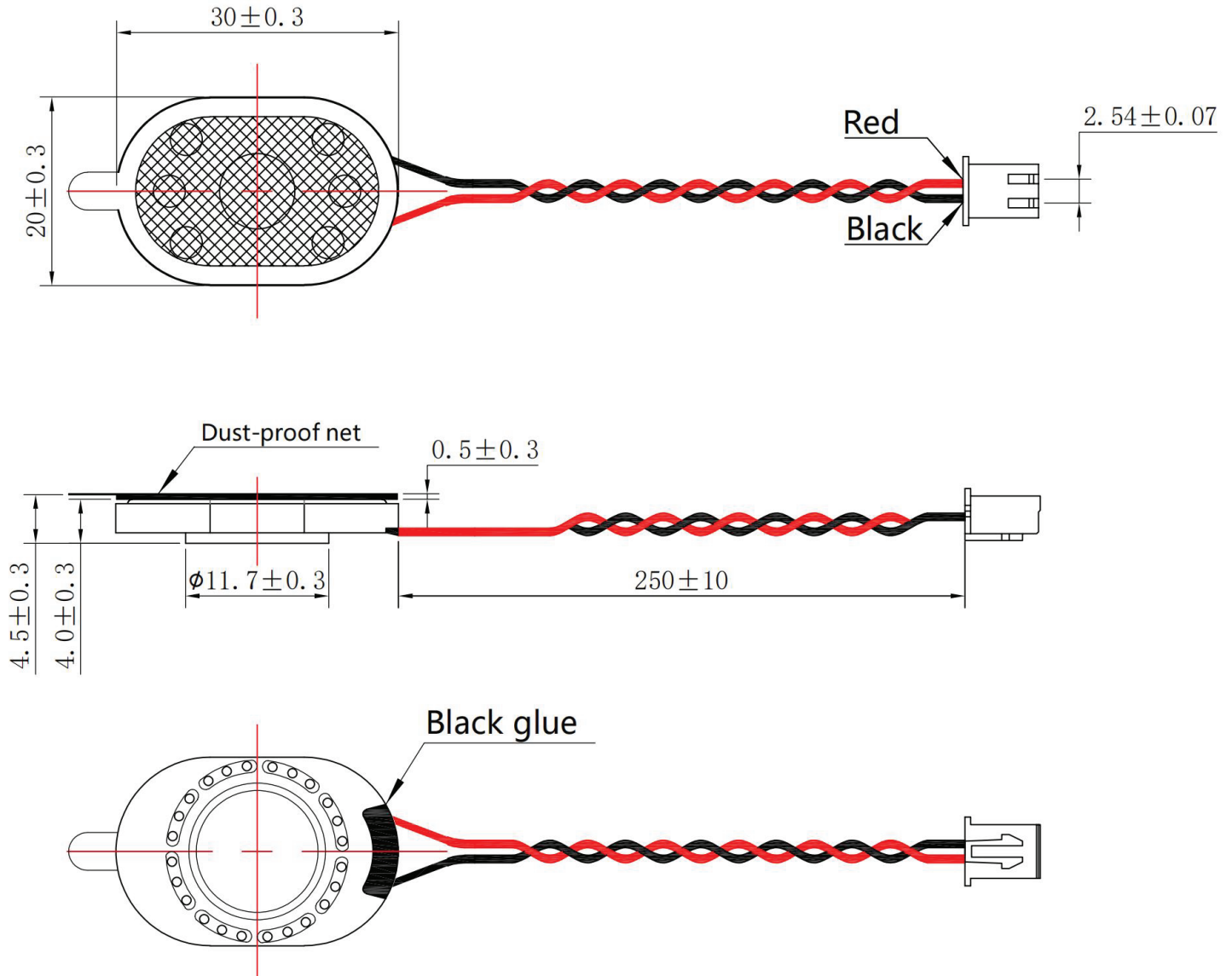
| parameter               | conditions/description                                    | min  | typ  | max    | units              |
|-------------------------|---|------|------|--------|--------------------|
| input power             |   |      | 1.0  | 1.2    | W                  |
| impedance               | at 2.5 kHz, 1.0 W   | 6.8  | 8.0  | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 2.83 V   | 560  | 700  | 840    | Hz                 |
| frequency response      |   | Fo   |      | 10,000 | Hz                 |
| sound pressure level    | at 1.0 W, 10 cm, avg at 2.0, 2.5, 3.1 kHz                 | 91   | 94   | 97     | dB                 |
| distortion              | at 1.0 kHz, rated power, 10 cm                            |      |      | 15     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, from 300 to 5 kHz            |      |      | 2.83   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |      |      |        |                    |
| dimensions              | 30.0 x 20.0 x 4.0   |      |      |        | mm                 |
| magnet                  | Nd-Fe-B   |      |      |        |                    |
| frame material          | ABS + SPCC  |      |      |        |                    |
| cone material           | PET   |      |      |        |                    |
| terminal                | wire leads with connector                                 |      |      |        |                    |
| weight                  |   | 3.06 | 3.40 | 3.74   | g                  |
| operating temperature   |   | -25  |      | 65     | $^{\circ}\text{C}$ |
| storage temperature     |   | -25  |      | 65     | $^{\circ}\text{C}$ |
| RoHS                    | yes   |      |      |        |                    |

Notes: 1. All specifications measured at 23 $\pm$ 2 $^{\circ}\text{C}$ , humidity at 63-67%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

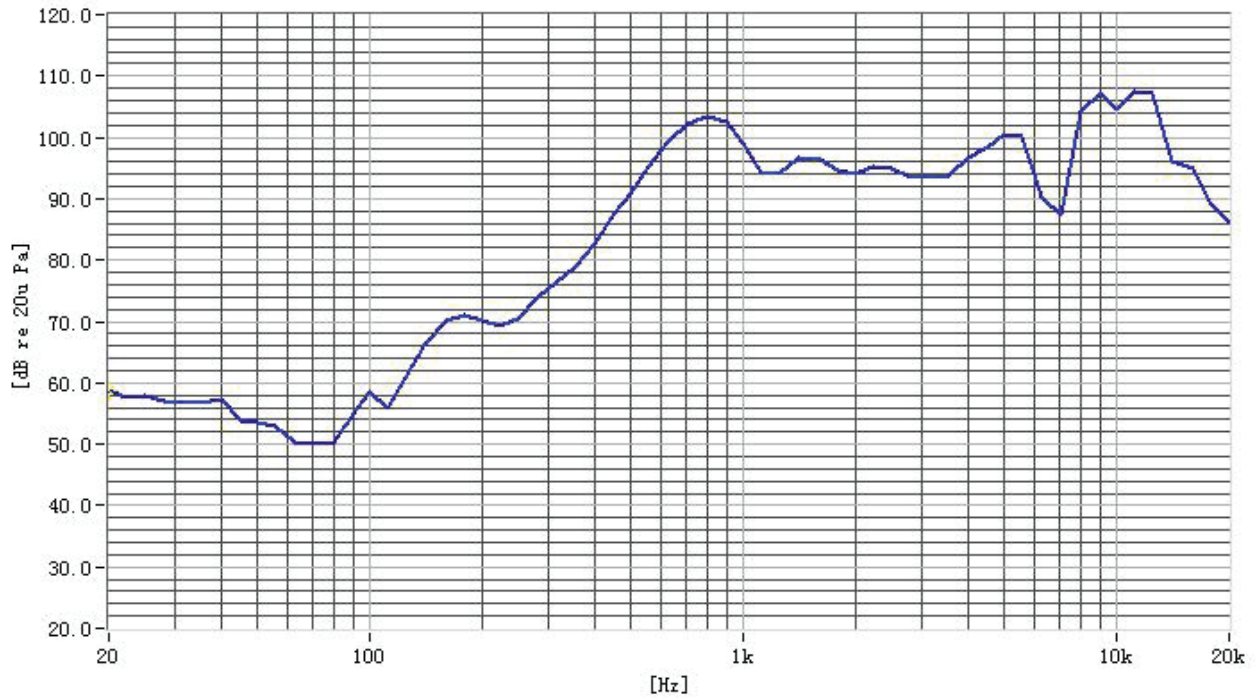
units: mm  
tolerance:  $\pm 0.3$  mm

wire: UL1571 28 AWG  
connector: Zhenliang Electronic XH-2Y  
mating connector: Zhenliang Electronic XH-2A

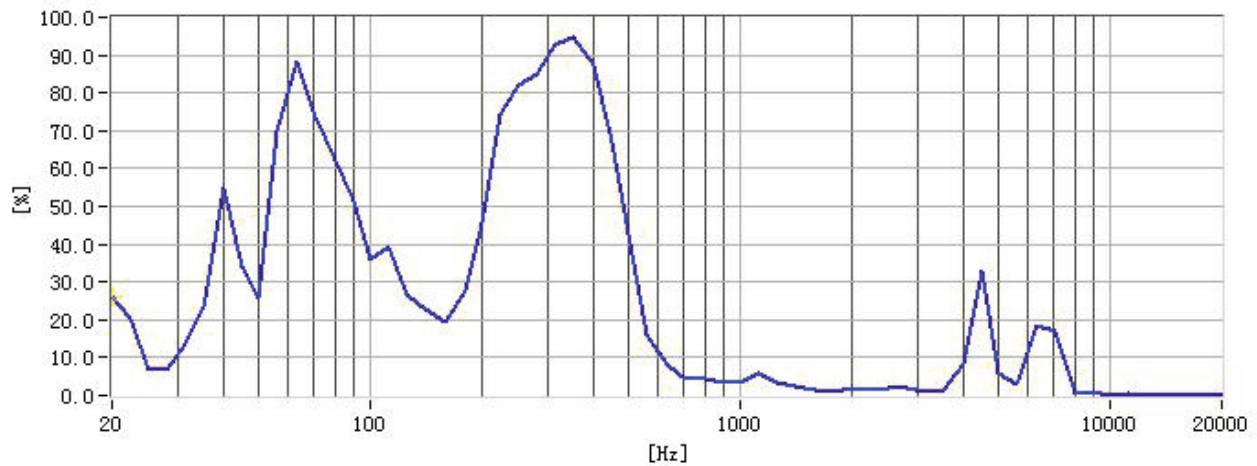


## RESPONSE CURVES

### Frequency Response Curve



### Total Harmonic Distortion Curve



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 06/14/2024 |

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



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