

**MODEL:** CES-3210-18PM-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- enclosed
- adhesive included
- molex connector

**SPECIFICATIONS**

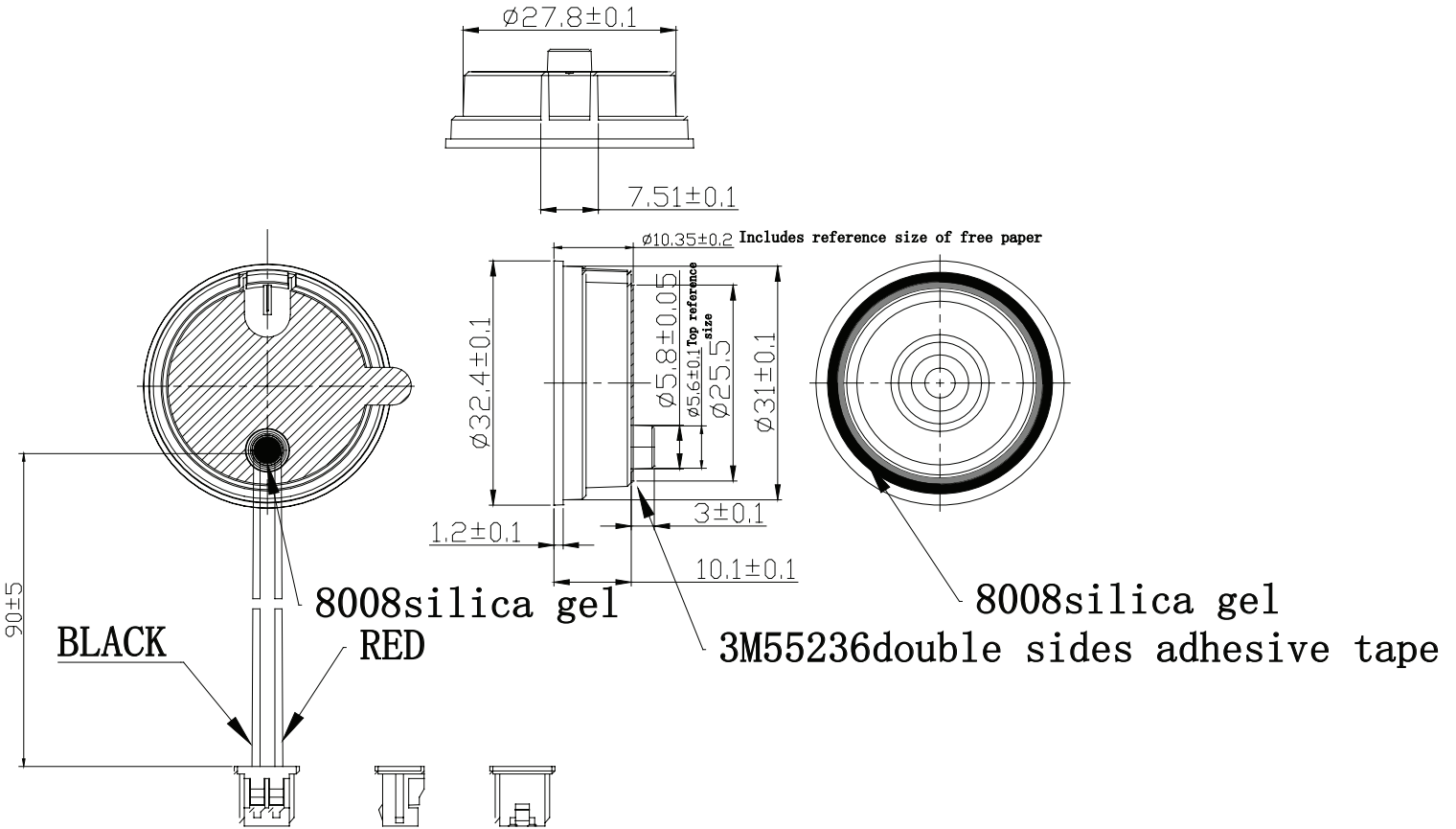
| parameter               | conditions/description                                    | min   | typ   | max   | units              |
|-------------------------|---|-------|-------|-------|--------------------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles          |       | 1.5   | 2.0   | W                  |
| impedance               | at 2.0 kHz, 1 V   | 6.8   | 8     | 9.2   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V  | 1,040 | 1,300 | 1,560 | Hz                 |
| frequency response      |   | Fo    |       | 7,000 | Hz                 |
| sound pressure level    | at 1.0 W, 10 cm, avg at 1.2, 1.5, 2.4, 3.0 kHz            | 98    | 101   | 104   | dB                 |
|                         | at 1.5 W, 10 cm, avg at 1.2, 1.5, 2.4, 3.0 kHz            | 99.5  | 102.5 | 105.5 | dB                 |
| distortion              | at 2.0 kHz, 1.0 W   |       |       | 5     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave between Fo ~ 7 kHz            |       |       | 3.46  | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |       |       |       |                    |
| dimensions              | $\varnothing 32.4 \times 10.1$                            |       |       |       | mm                 |
| magnet                  | Nd-Fe-B   |       |       |       |                    |
| enclosure material      | SPCC+PC   |       |       |       |                    |
| cone material           | PEI   |       |       |       |                    |
| terminal                | wire leads with connector                                 |       |       |       |                    |
| weight                  |   |       | 14.5  |       | g                  |
| operating temperature   |   | -40   |       | 85    | $^{\circ}\text{C}$ |
| storage temperature     |   | -40   |       | 85    | $^{\circ}\text{C}$ |
| RoHS                    | yes   |       |       |       |                    |
| IP level                | IP67  |       |       |       |                    |

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

# MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

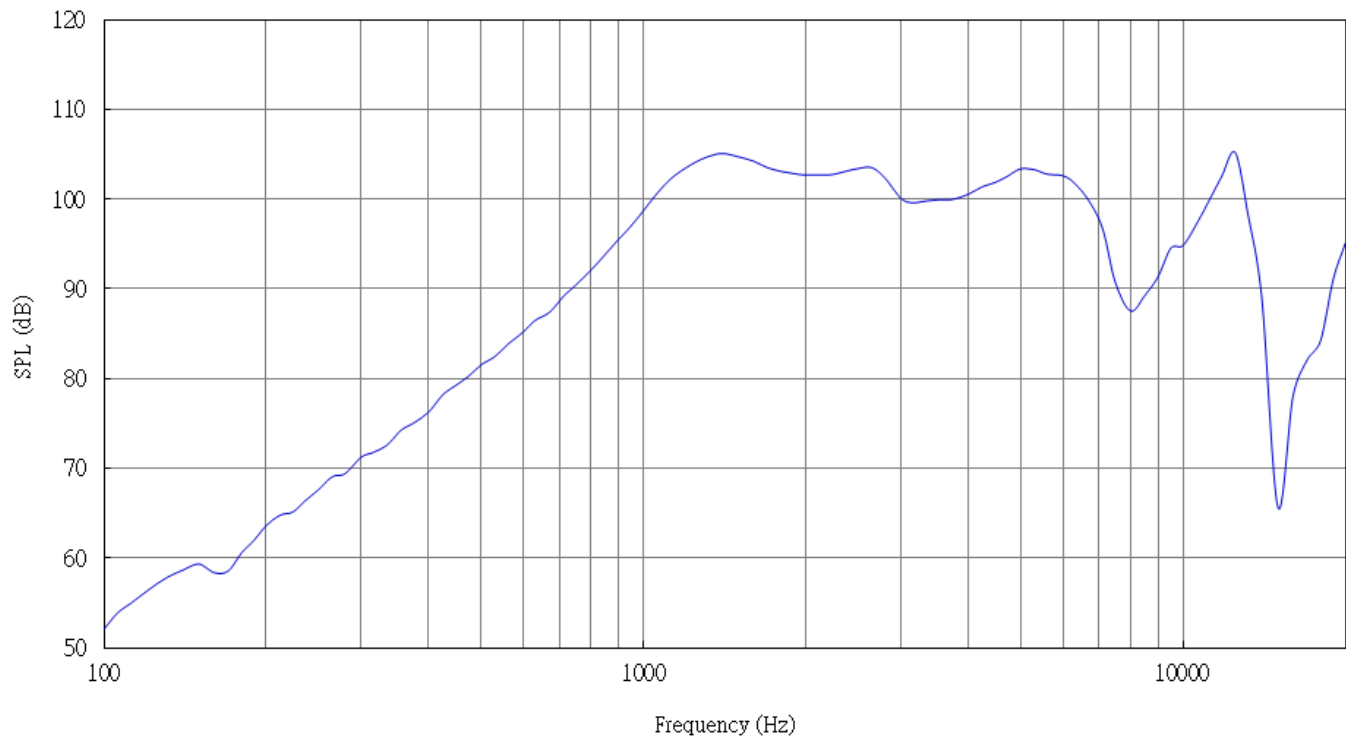
wire: UL1571 28 AWG  
connector: Molex 51021-0200  
mating connector: Molex 53047-0210



## RESPONSE CURVES

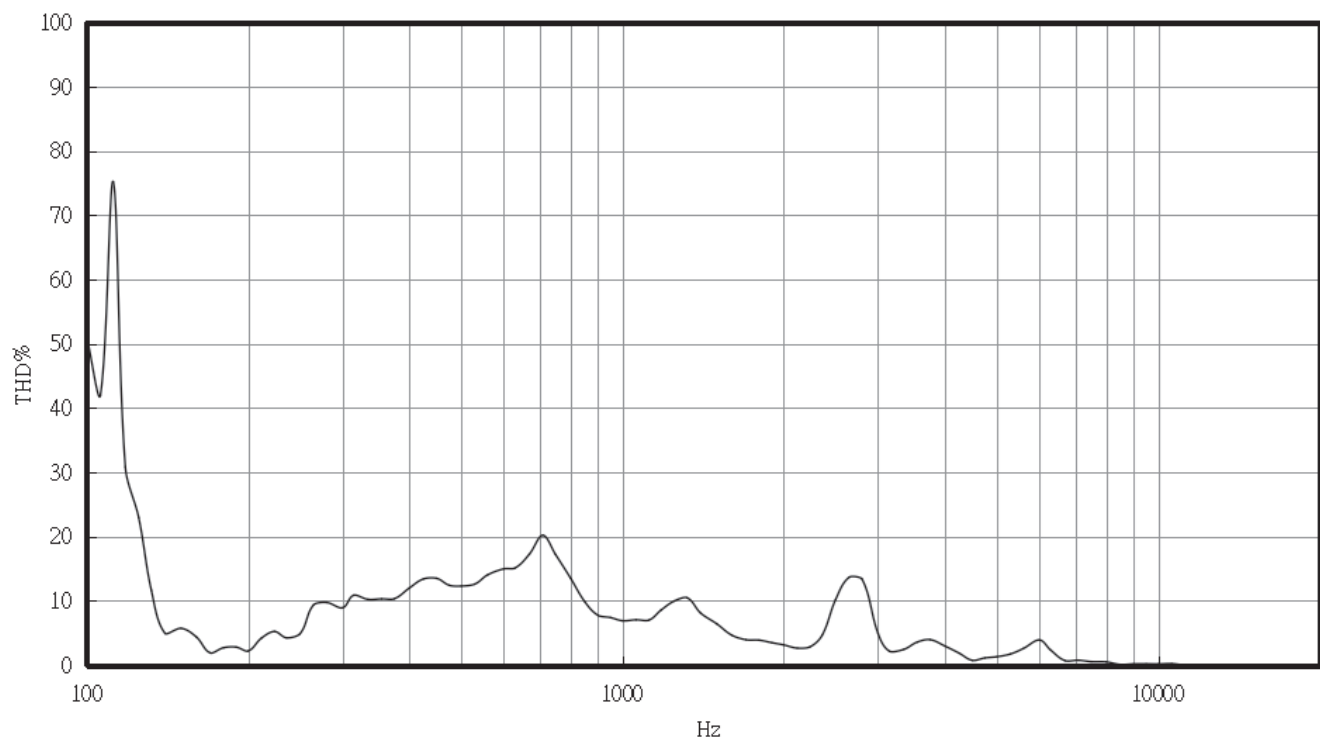
### Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 12/05/2023 |

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



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

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