



MODEL: CMS-235-18L152 | DESCRIPTION: SPEAKER

FEATURES

- PET cone
- 1 W
- lead wires



SPECIFICATIONS

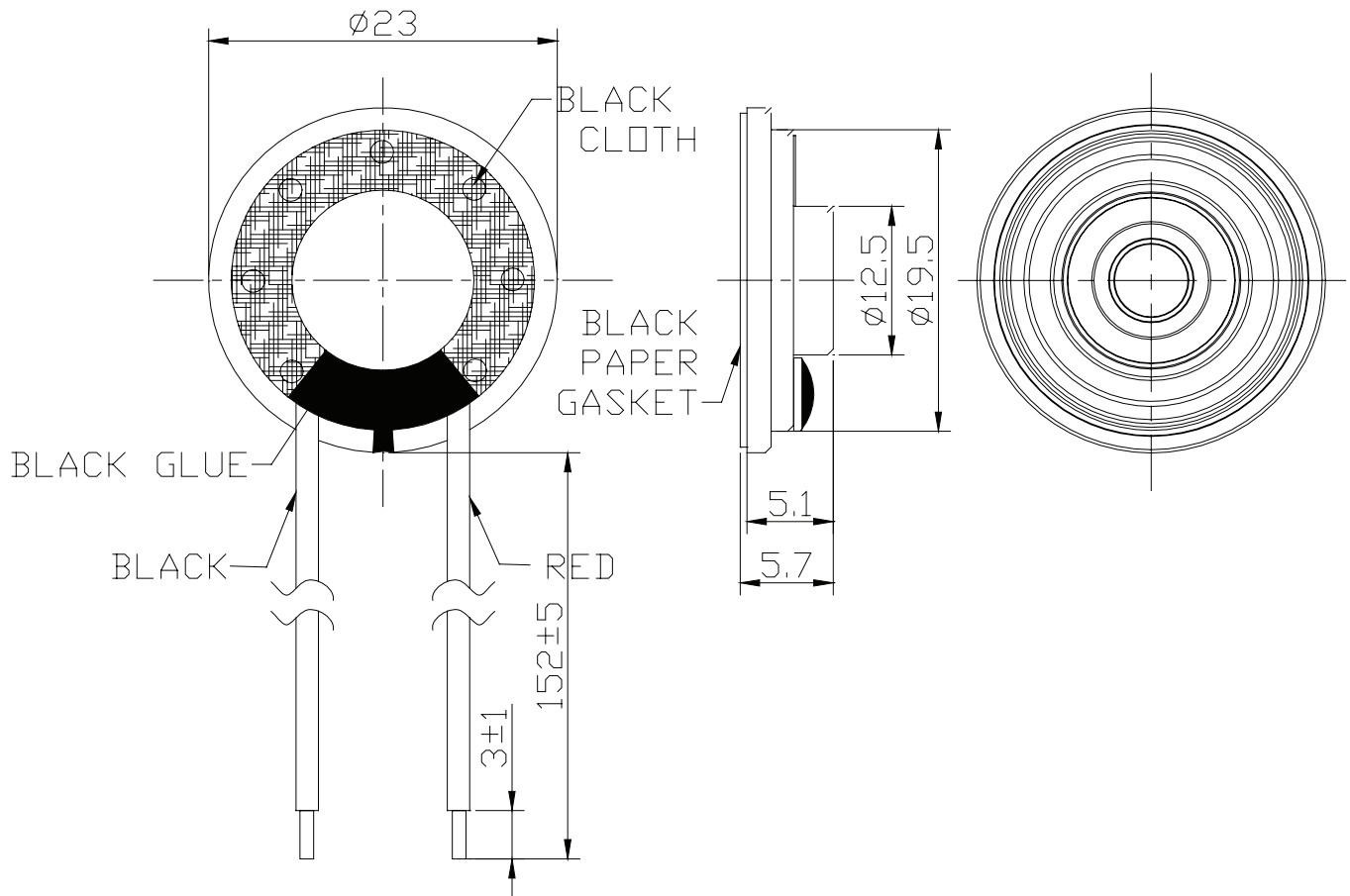
| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|------|------|--------|--------------------|
| input power | | | 1.0 | 1.5 | W |
| impedance | at 2 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 V | 640 | 800 | 960 | Hz |
| frequency response | | Fo | | 18,000 | Hz |
| sound pressure level | at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz | 77 | 80 | 83 | dB |
| distortion | at 1.0 kHz, rated power, 50 cm | | | 15 | % |
| buzz, rattle, etc. | must be normal at sine wave between 200 Hz ~ 18 kHz | | | 2.83 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | $\varnothing 23 \times 5.7$ | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | SPCC | | | | |
| cone material | paper | | | | |
| terminal | lead wires | | | | |
| weight | | 7.82 | 8.50 | 9.18 | g |
| operating temperature | | -25 | | 70 | $^{\circ}\text{C}$ |
| storage temperature | | -25 | | 75 | $^{\circ}\text{C}$ |
| hand soldering | for 3~5 seconds | 370 | 380 | 390 | $^{\circ}\text{C}$ |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

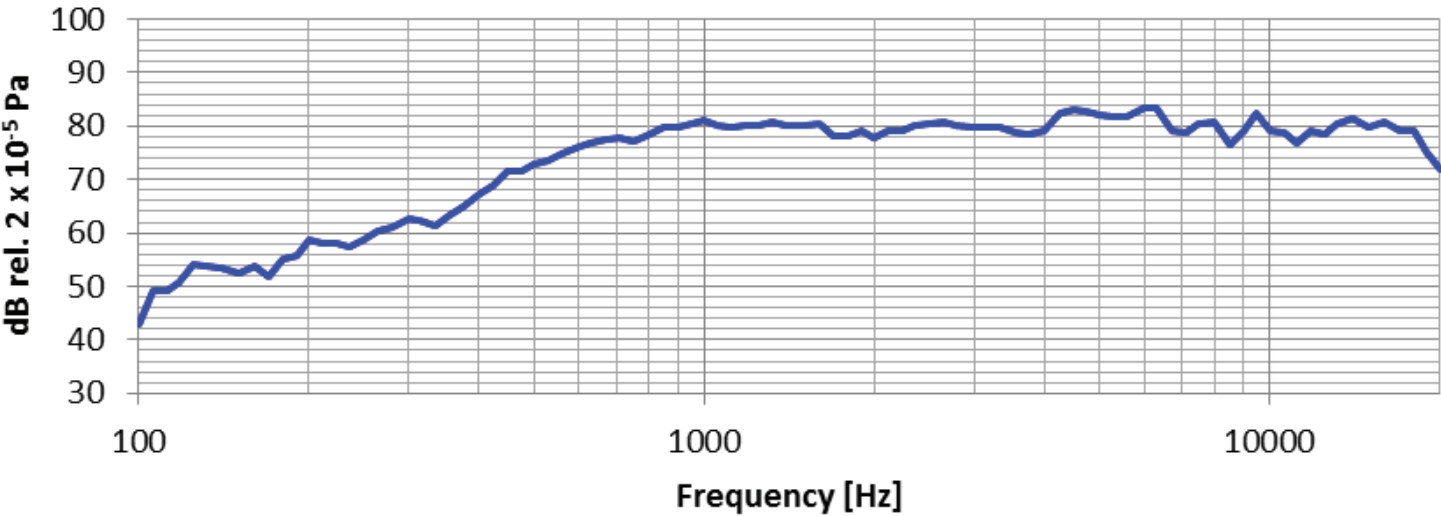
wire: UL1007, 28AWG



RESPONSE CURVES

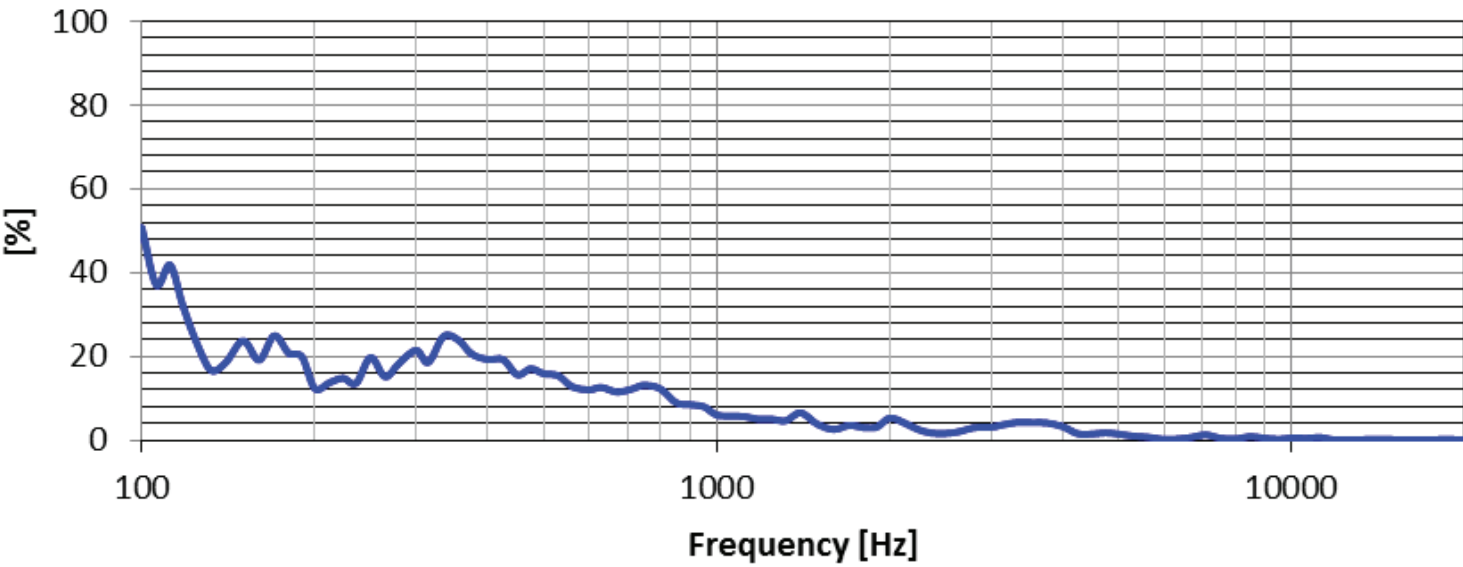
Frequency Response Curve

Test Conditions: 1 W/0.5 m



Total Harmonic Distortion Curve

Test Conditions: 1 W/0.5 m



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 09/10/2024 |

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



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