

**SERIES:** CMS-4021H-34X | **DESCRIPTION:** SPEAKER**FEATURES**

- 220 Hz resonant frequency
- operating temperature up to +85° C
- multiple termination options

**SPECIFICATIONS**

| parameter               | conditions/description                                      | min | typ | max    | units    |
|-------------------------|-------------------------------------------------------------|-----|-----|--------|----------|
| input power             | max power: pink noise, 1 min on, 2 min off, 10 cycles       |     | 3.0 | 5.0    | W        |
| impedance               | 1 V, 1 kHz                                                  | 3.4 | 4.0 | 4.6    | $\Omega$ |
| resonant frequency (Fo) | at 1.0 V                                                    | 176 | 220 | 264    | Hz       |
| frequency response      |                                                             | Fo  |     | 20,000 | Hz       |
| sound pressure level    | at 1.0 W, 0.5 m, avg 0.8, 1.0, 1.6, 2.0 kHz, on baffleboard | 82  | 85  | 88     | dB       |
|                         | at 3.0 W, 0.5 m, avg 0.8, 1.0, 1.6, 2.0 kHz, on baffleboard | 87  | 90  | 93     | dB       |
| distortion              | at 1.0 kHz, 1.0 W, with standard baffle                     |     |     | 10     | %        |
| buzz, rattle, etc.      | must be normal at sine wave, from 0.2~2 kHz                 |     |     | 3.46   | V        |
| polarity                | cone moves forward w/ positive dc current to "+" terminal   |     |     |        |          |
| dimensions              | Ø40 x 21                                                    |     |     |        | mm       |
| magnet                  | Nd-Fe-B                                                     |     |     |        |          |
| frame material          | SPCC                                                        |     |     |        |          |
| cone material           | PEN                                                         |     |     |        |          |
| weight                  |                                                             |     | 28  |        | g        |
| operating temperature   |                                                             | -40 |     | 85     | °C       |
| storage temperature     |                                                             | -40 |     | 85     | °C       |
| hand soldering          | for 3~5 seconds                                             | 370 | 380 | 390    | °C       |
| RoHS                    | yes                                                         |     |     |        |          |

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

**PART NUMBER KEY****CMS - 4021H - 34 X**

Base Number

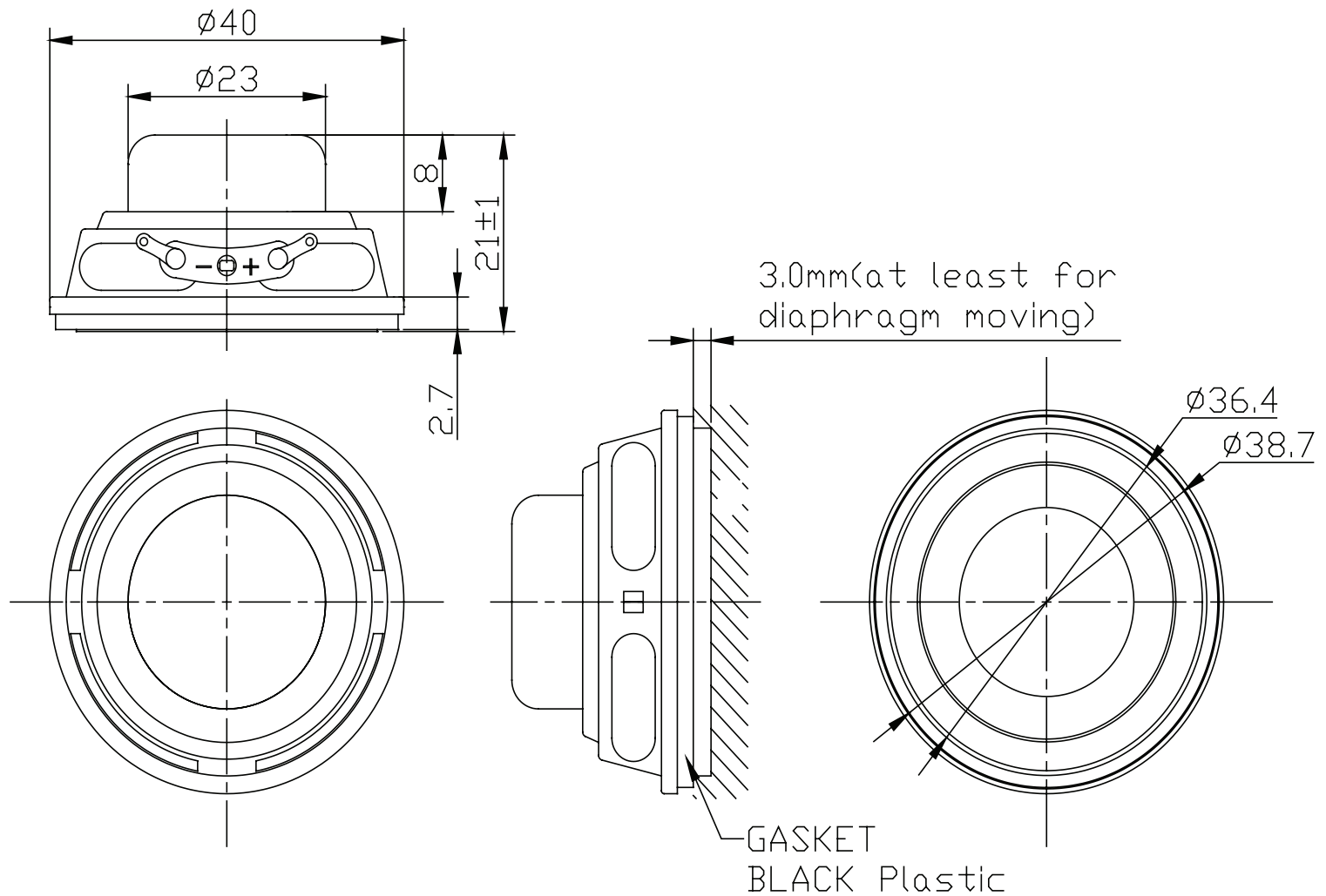
Termination Options:

E = solder eyelet

L200 = 200 mm wire leads

## MECHANICAL DRAWING (SOLDER EYELET)

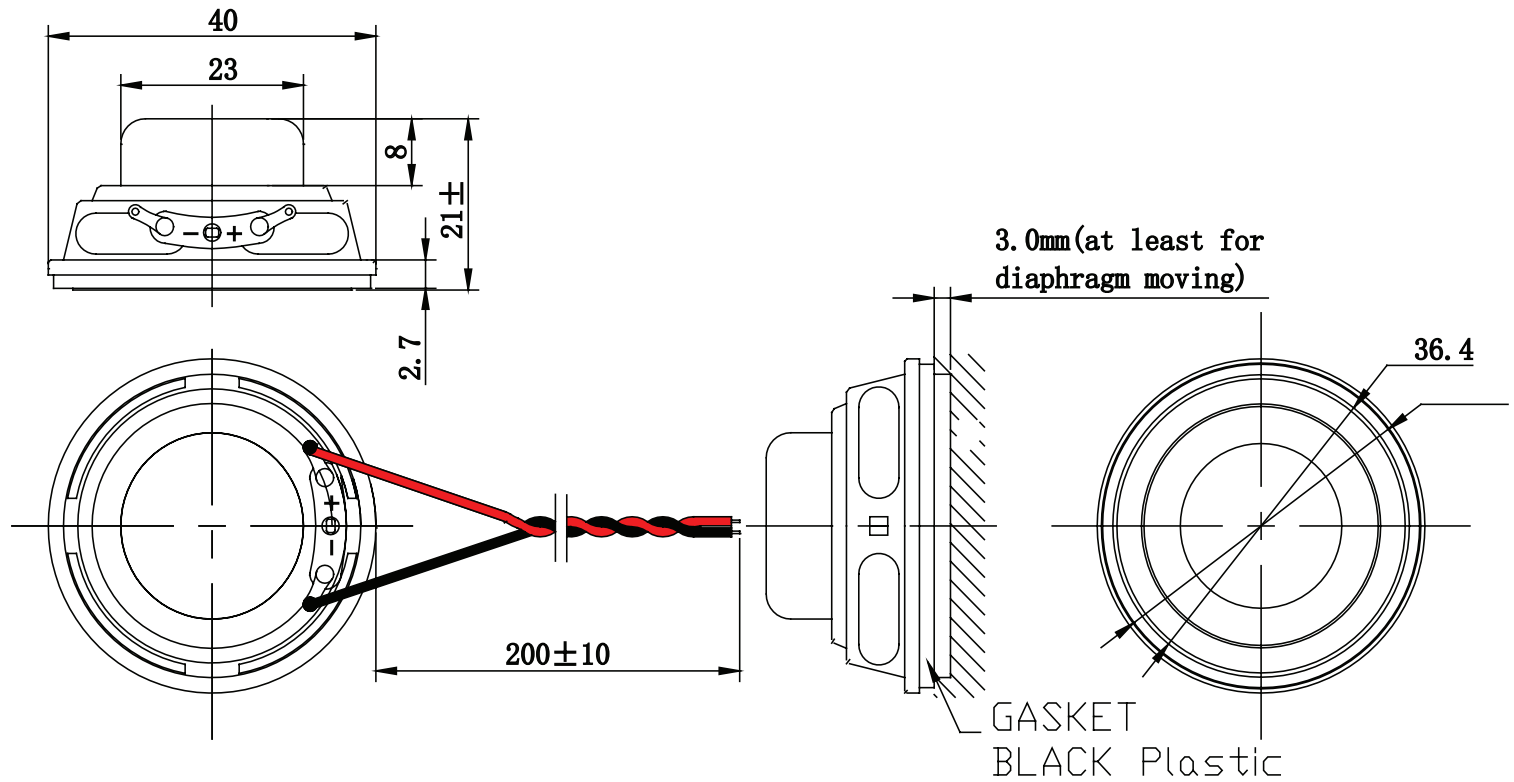
units: mm  
tolerance:  $\pm 0.5$  mm



## MECHANICAL DRAWING (WIRE LEADS)

units: mm  
tolerance:  $\pm 0.5$  mm

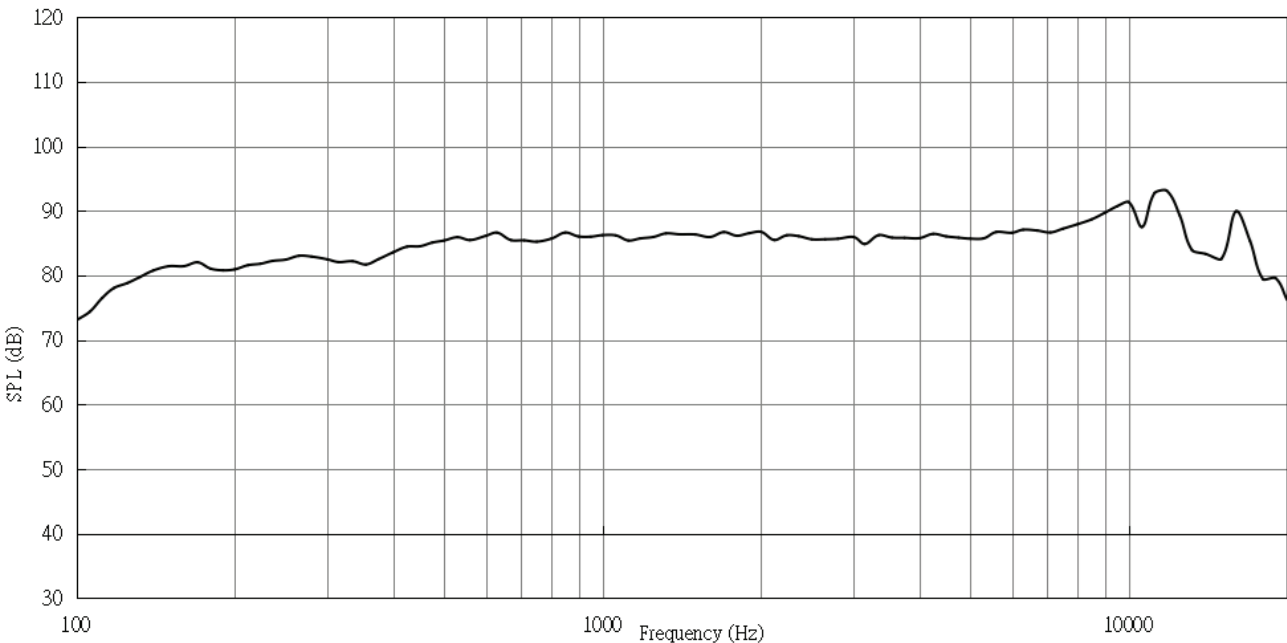
wire: UL1571 28 AWG



RESPONSE CURVES

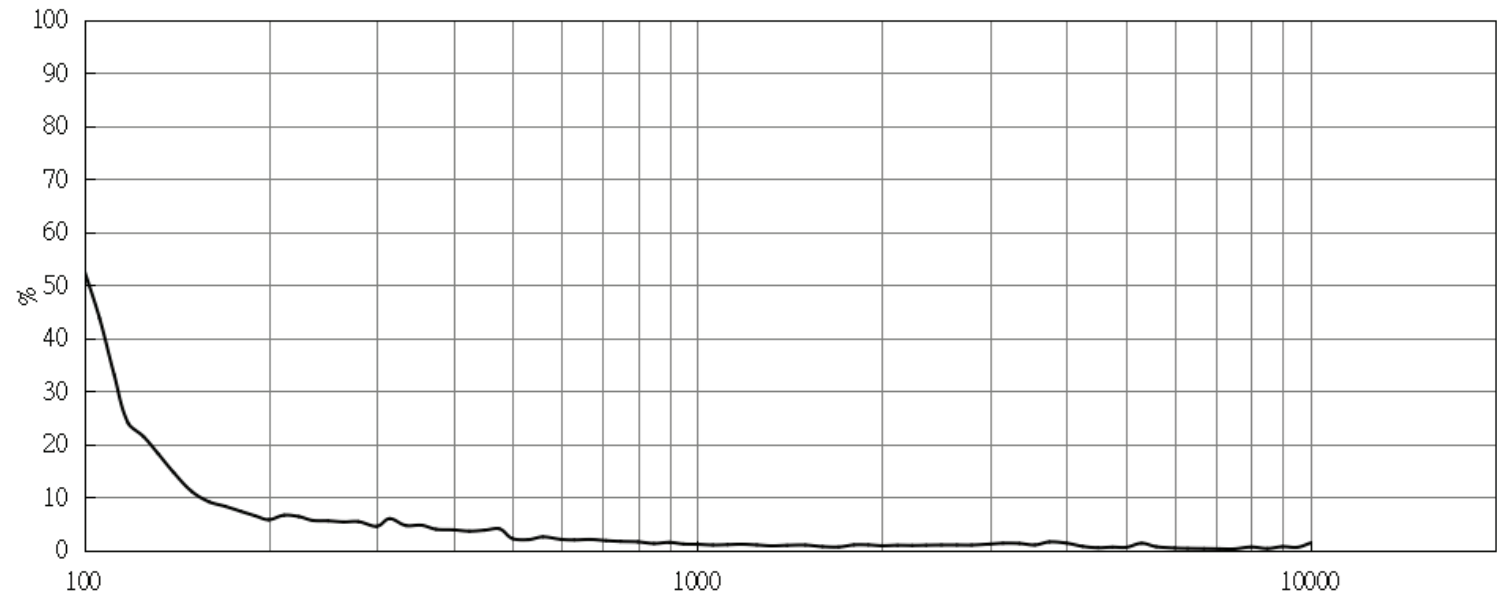
Frequency Response Curve

Test Conditions: 1 W / 0.5 m



Total Harmonic Distortion Curve

Test Conditions: 1 W / 0.5 m



THIELE-SMALL PARAMETERS

| parameter                    | conditions/description | typ    |
|------------------------------|------------------------|--------|
| Mechanical Q Factor          | Qms                    | 4.243  |
| Electrical Q Factor          | Qes                    | 1.309  |
| Total Q Factor               | Qts                    | 1.000  |
| Compliance Equivalent Volume | Vas                    | 0.0512 |

Notes: 2. Results represent typical performance in Free Air conditions.

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 04/15/2026 |

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



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