

SERIES: CDS-15118B-L100 | **DESCRIPTION:** SPEAKER**FEATURES**

- micro-speaker
- small footprint
- 8 ohm impedance
- wire leads

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-------------------------|--|-----|------|--------|--------------|
| input power | maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp, in 1 cc closed box | | 0.7 | 1.0 | W |
| impedance | at 2.5 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | | 400 | 500 | 600 | Hz |
| frequency response | output SPL ± 10 dB | Fo | | 20,000 | Hz |
| sound pressure level | at 0.5 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz | 83 | 86 | 89 | dB |
| distortion | at 1.0 kHz, 0.7 W | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave between Fo ~ 20 kHz, in 1 cc closed box | | 2.37 | | V |
| polarity | cone will move forward with positive dc current to "+" terminal | | | | |
| dimensions | 15 x 11 x 3 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| material | PPA | | | | |
| cone material | mylar | | | | |
| terminal | wire leads | | | | |
| weight | | | 1.7 | | g |
| operating temperature | | -20 | | 60 | $^{\circ}$ C |
| storage temperature | | -40 | | 85 | $^{\circ}$ C |
| RoHS | 2011/65/EU | | | | |

Notes: 1. All specifications measured at 5~35 $^{\circ}$ C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

PART NUMBER KEY**CDS-15118B-L100 X**

Base Number

Termination Style:

"blank" = wire leads, no connector

1 = JST housing SHR-2V-S-B

2 = JST housing ZHR-2

3 = JST housing PHR-2

4 = JST housing HER-2

5 = JST housing PHR-4

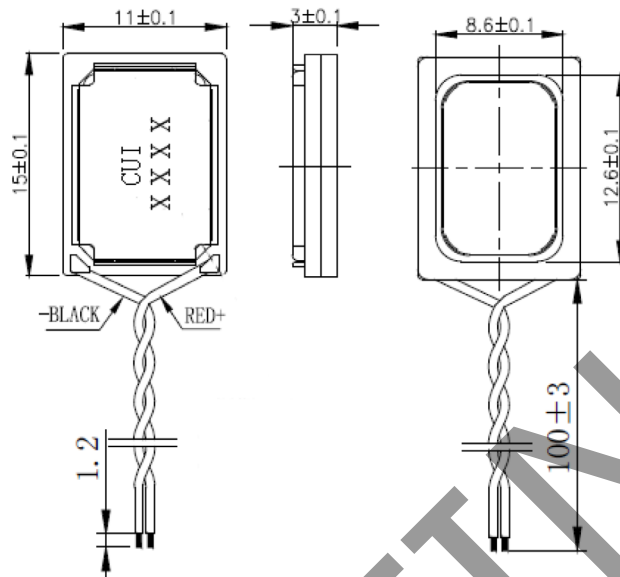
6 = Molex housing 51021-0200

MECHANICAL DRAWING

units: mm

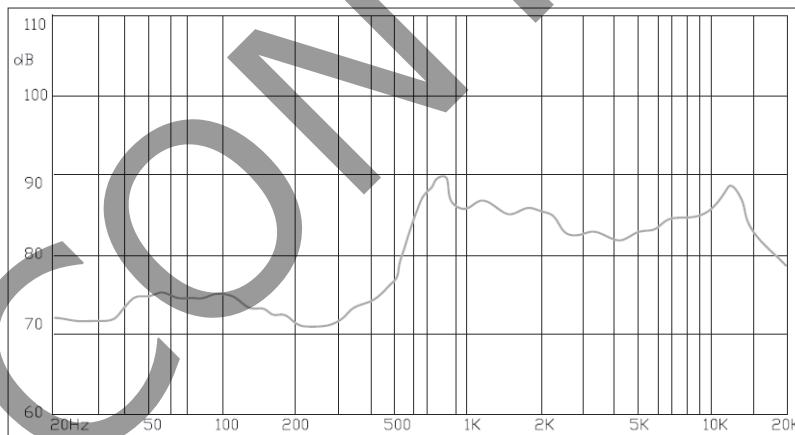
tolerance: ± 0.5 mm

wire: UL1571 30 AWG

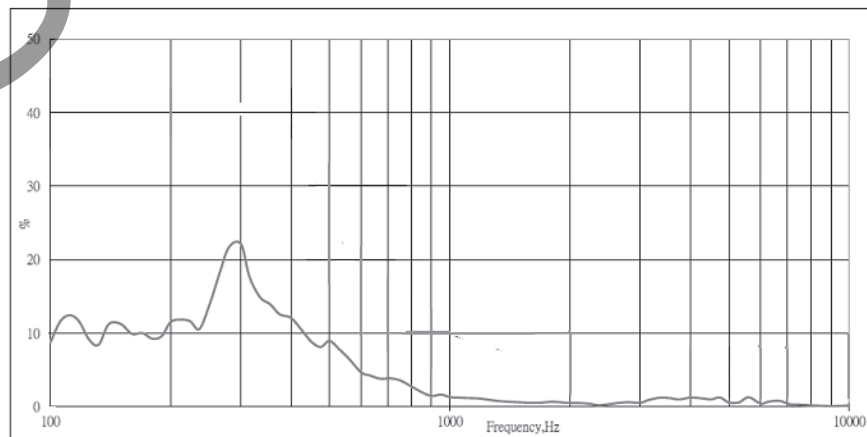


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

| rev. | description | date |
|------|-------------------------|------------|
| 1.0 | initial release | 03/25/2015 |
| 1.01 | added connector options | 07/15/2016 |

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



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