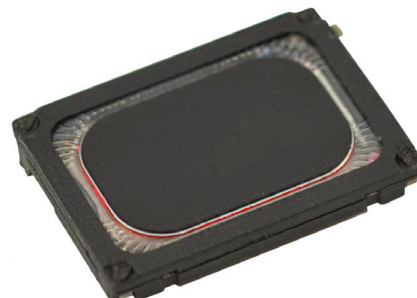


MODEL: CMS-18138A-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- micro-speaker
- small footprint
- low profile
- spring leads

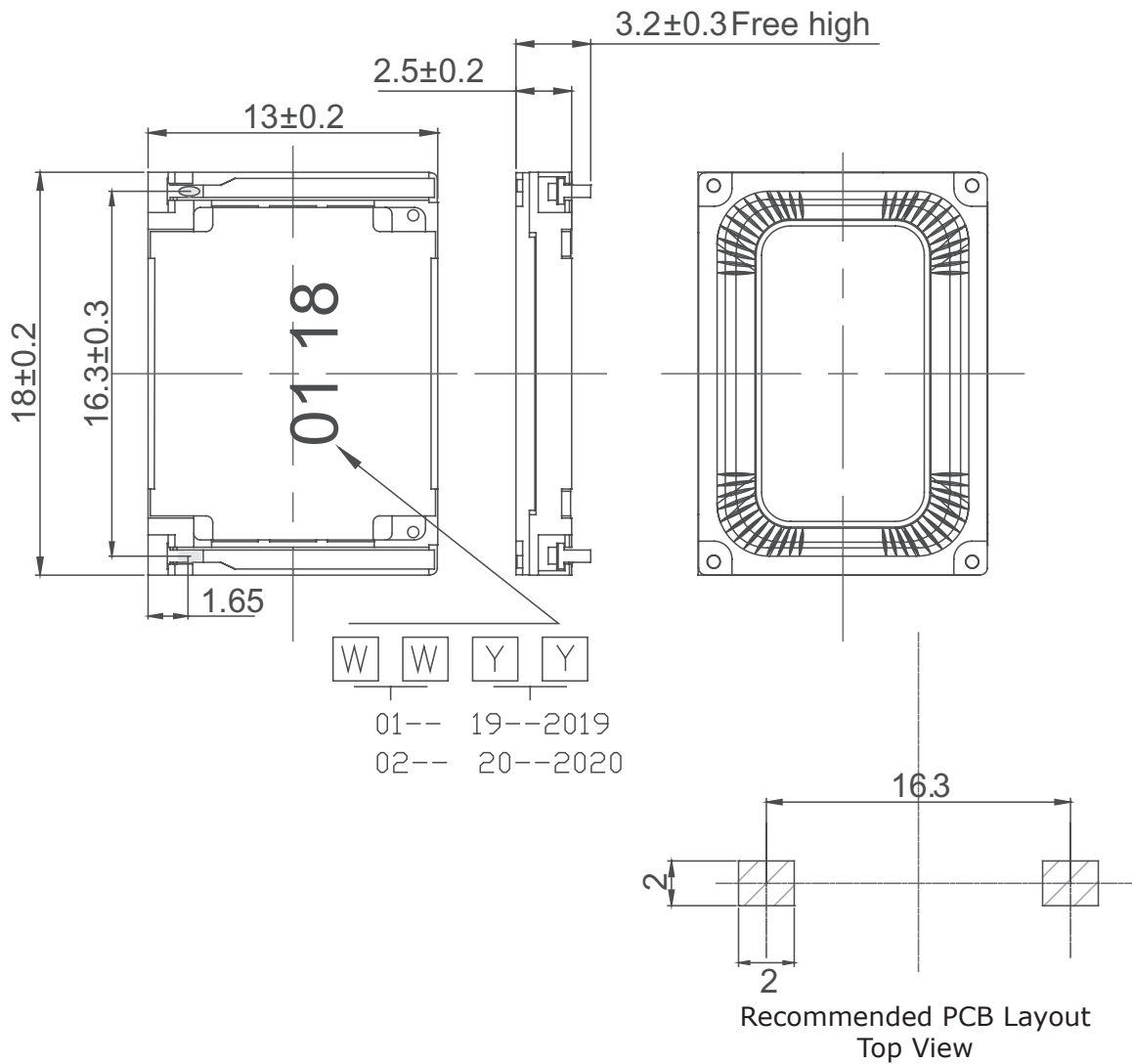
**SPECIFICATIONS**

| 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 | | 0.8 | 1.0 | W |
| impedance | at 2.0 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 V at 1.0 V in 1 cc closed box | 400 850 | 500 1,000 | 600 1,150 | Hz Hz |
| frequency response | output SPL ± 10 dB | Fo | | 10,000 | Hz |
| sound pressure level | at 0.8 W, 0.1 m, at 2.0 kHz in 1 cc closed box | 89 | 92 | 95 | dB |
| distortion | at 1.0 kHz, 0.8 W | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave between Fo ~ 20 kHz in 1 cc closed box | | 2.53 | | V |
| polarity | cone will move forward with positive dc current to "+" terminal | | | | |
| dimensions | 18 x 13 x 2.5 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| material | PPA | | | | |
| cone material | mylar | | | | |
| terminal | spring contact | | | | |
| weight | | | 1.8 | | g |
| operating temperature | | -20 | | 75 | $^{\circ}$ C |
| storage temperature | | -30 | | 85 | $^{\circ}$ C |
| RoHS | yes | | | | |

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

MECHANICAL DRAWING

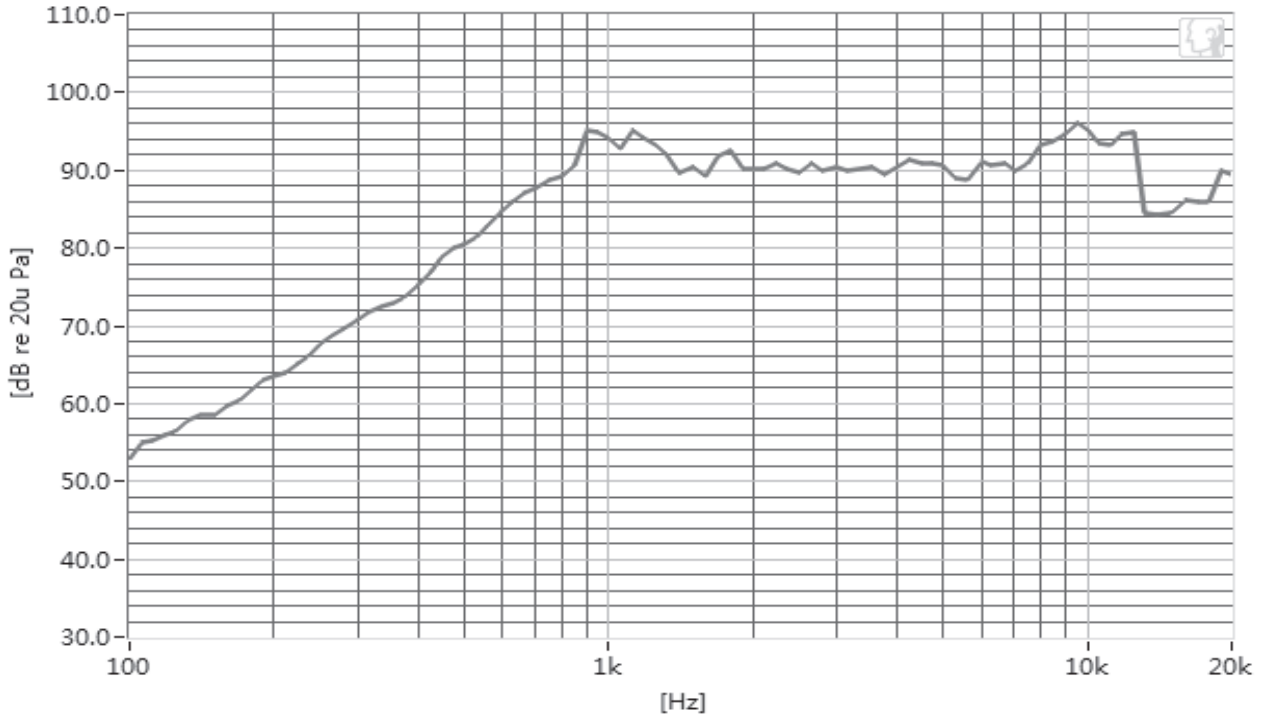
units: mm
tolerance: ± 0.2 mm



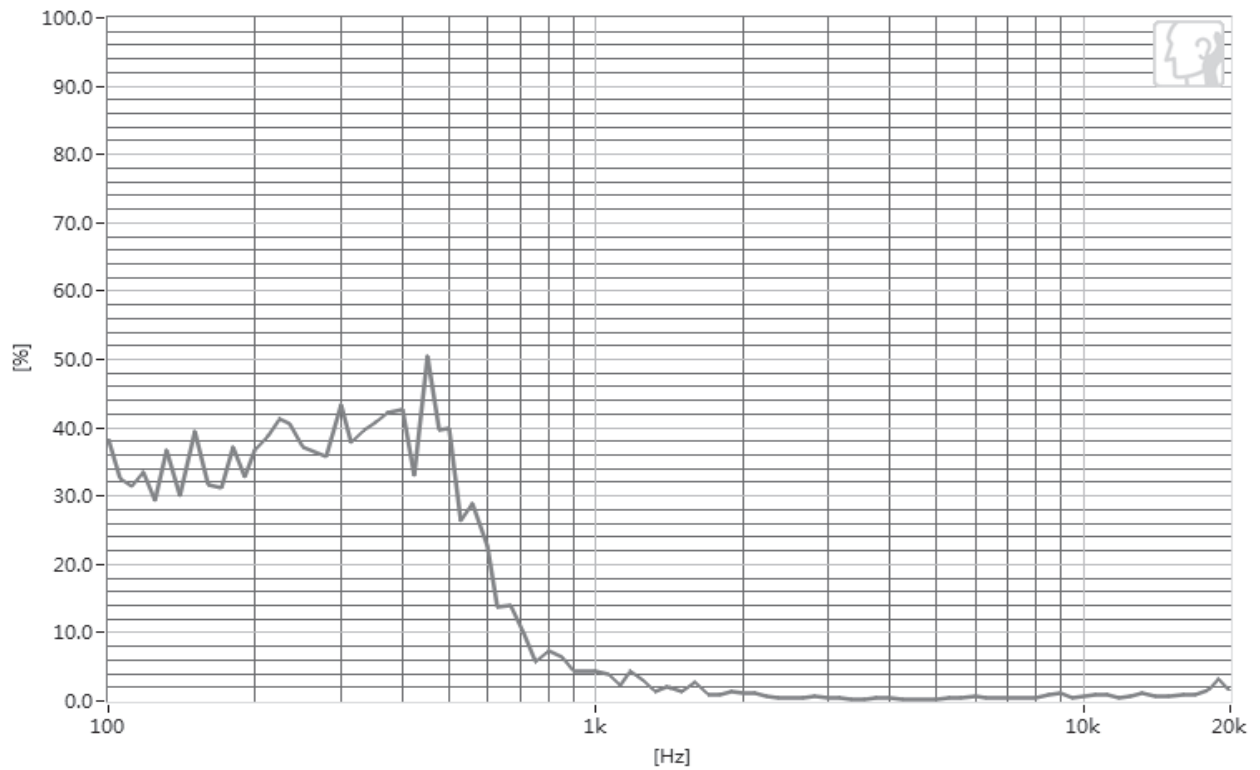
Note: 1. Maximum compression force between front frame and back frame & yoke is 5 N.

RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve

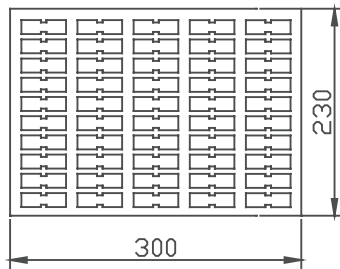


PACKAGING

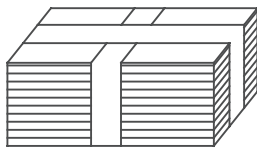
units: mm

Tray Size: 300 x 230 x 11.5 mm
 Carton Size: 590 x 350 x 290 mm
 Tray QTY: 100 pcs per tray
 Carton QTY: 5,000 pcs per carton

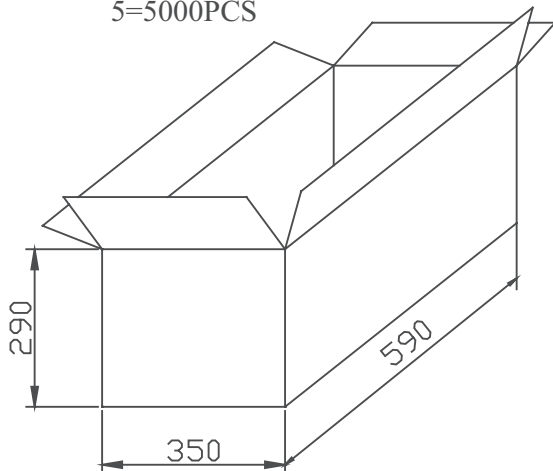
100PCS



100 ×
10 = 1000PCS



1000 ×
5 = 5000PCS



| | |
|---------------|-------------------------|
| Lot No. | XXXXXXXXXXXX |
| Part No. | CUI Inv#. CUI Part#. |
| Quantity. | XXXX Pcs |
| Date: | DD MM YY |
| MADE IN CHINA | |
| CUI DEVICES | |

RoHs Compliant

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 07/06/2017 |
| 1.01 | spring contacts changed spacing | 05/07/2019 |
| 1.02 | modified spring terminals and cover, brand update | 11/14/2019 |

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

CUI DEVICES

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

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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