

MODEL: CMS-160918-30-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- micro-speaker
- small footprint
- spring leads

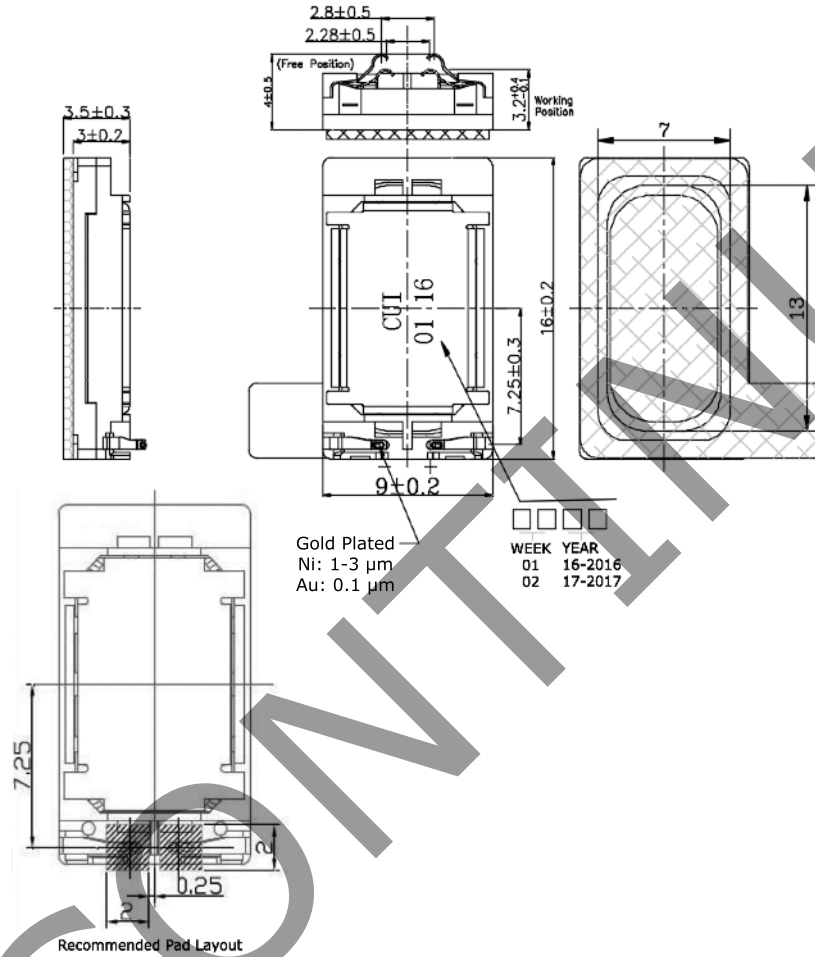
**SPECIFICATIONS**

| 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 | | 0.7 | 1.0 | W |
| impedance | at 2.0 kHz, 1.0 V | 6.8 | 8.0 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 V at 1.0 V in 1 cc closed box | 400 688 | 500 860 | 600 1,032 | Hz Hz |
| frequency response | output SPL ± 10 dB | Fo | | 20,000 | Hz |
| sound pressure level | at 0.7 W, 0.1 m ave, at 2.0 kHz in 1 cc closed box | 84.5 | 87.5 | 90.5 | 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 | 16.0 x 9.0 x 3.5 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| material | PPA | | | | |
| cone material | mylar | | | | |
| terminal | spring contact | | | | |
| weight | | | 1.2 | | g |
| operating temperature | | -40 | | 60 | $^{\circ}$ C |
| storage temperature | | -40 | | 85 | $^{\circ}$ C |
| RoHS | 2011/65/EU | | | | |

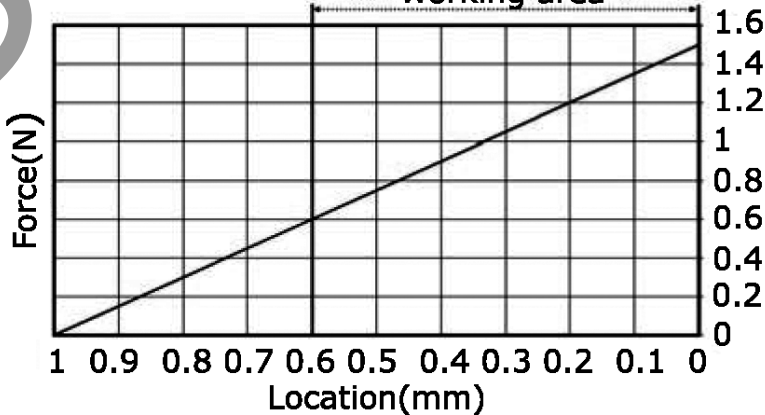
Notes: 1. All specifications measured at 5~35 $^{\circ}$ C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm

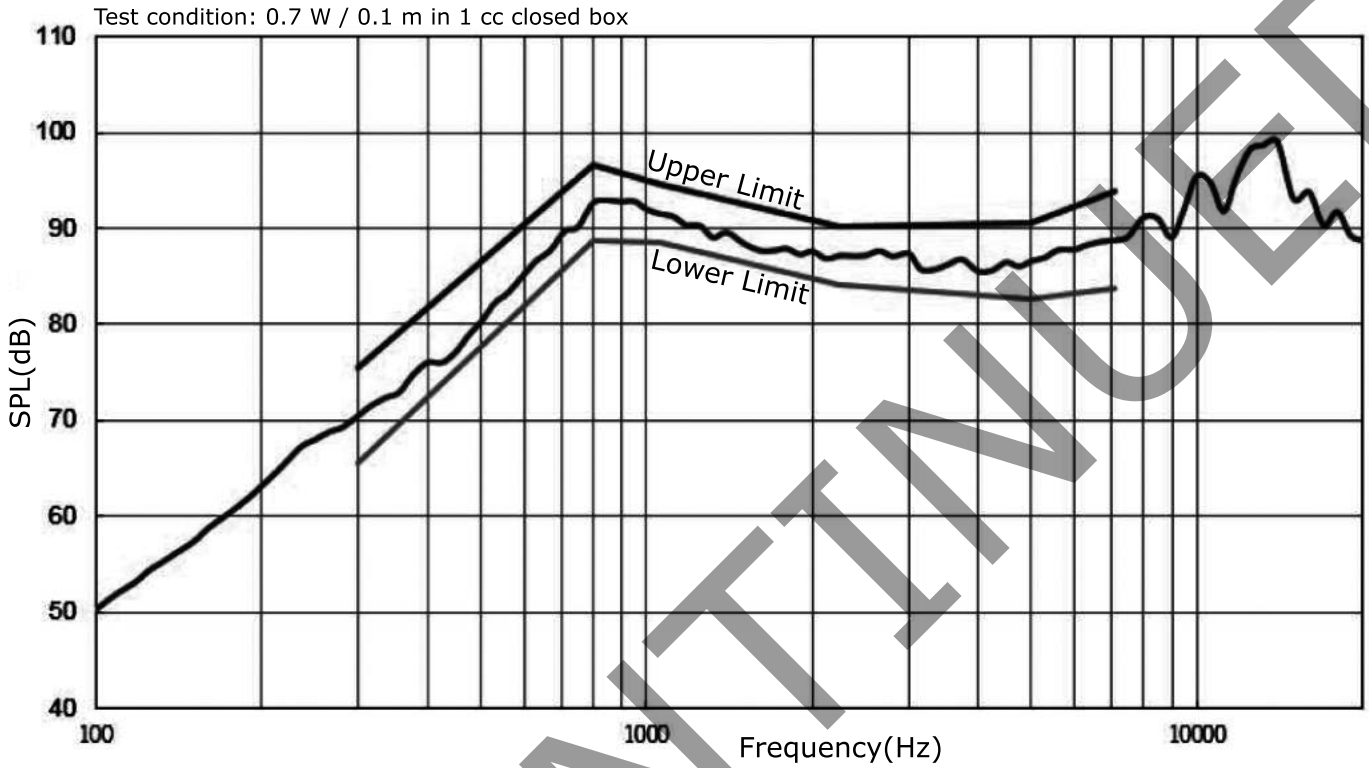


Force Progression Of One Spring Contact
Working area

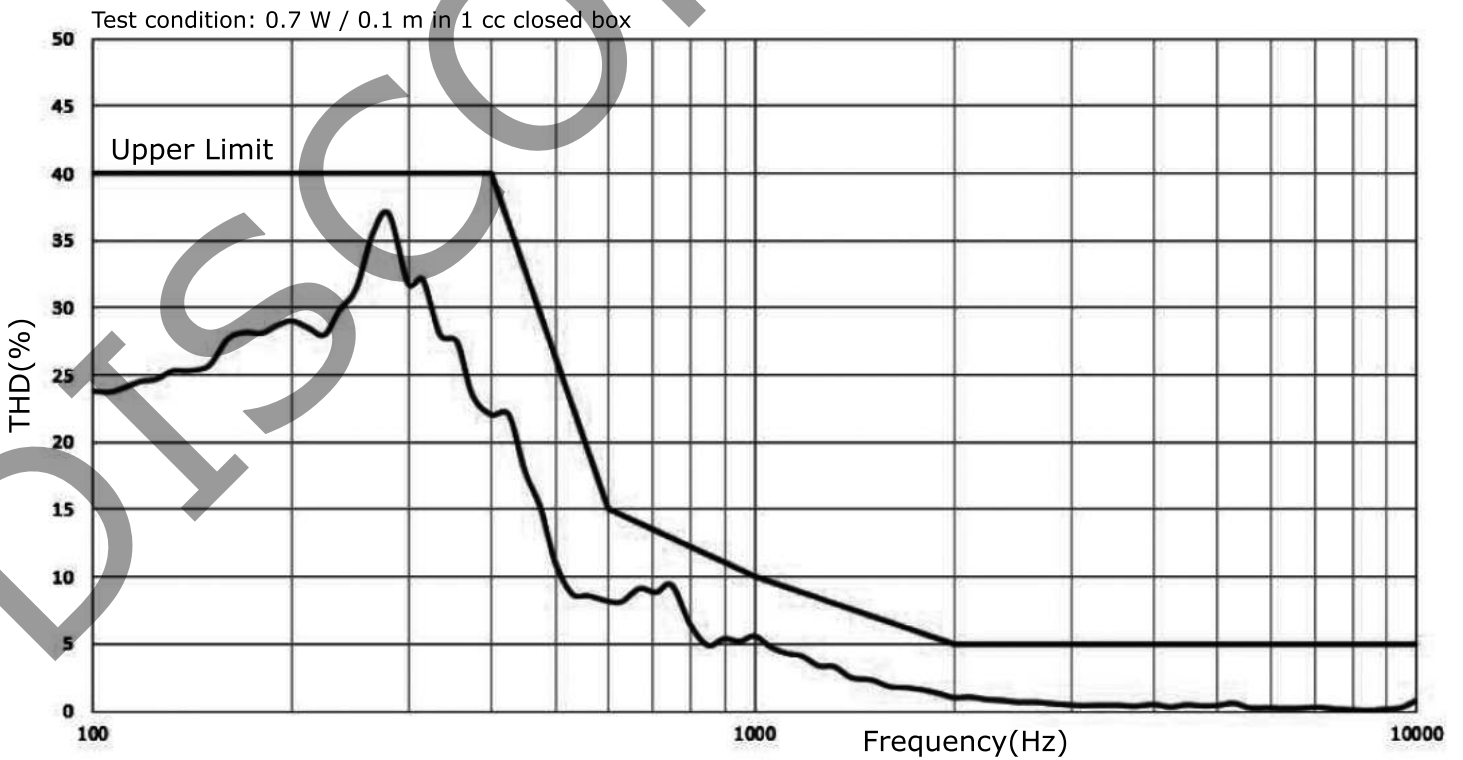


RESPONSE CURVES

Frequency Response Curve



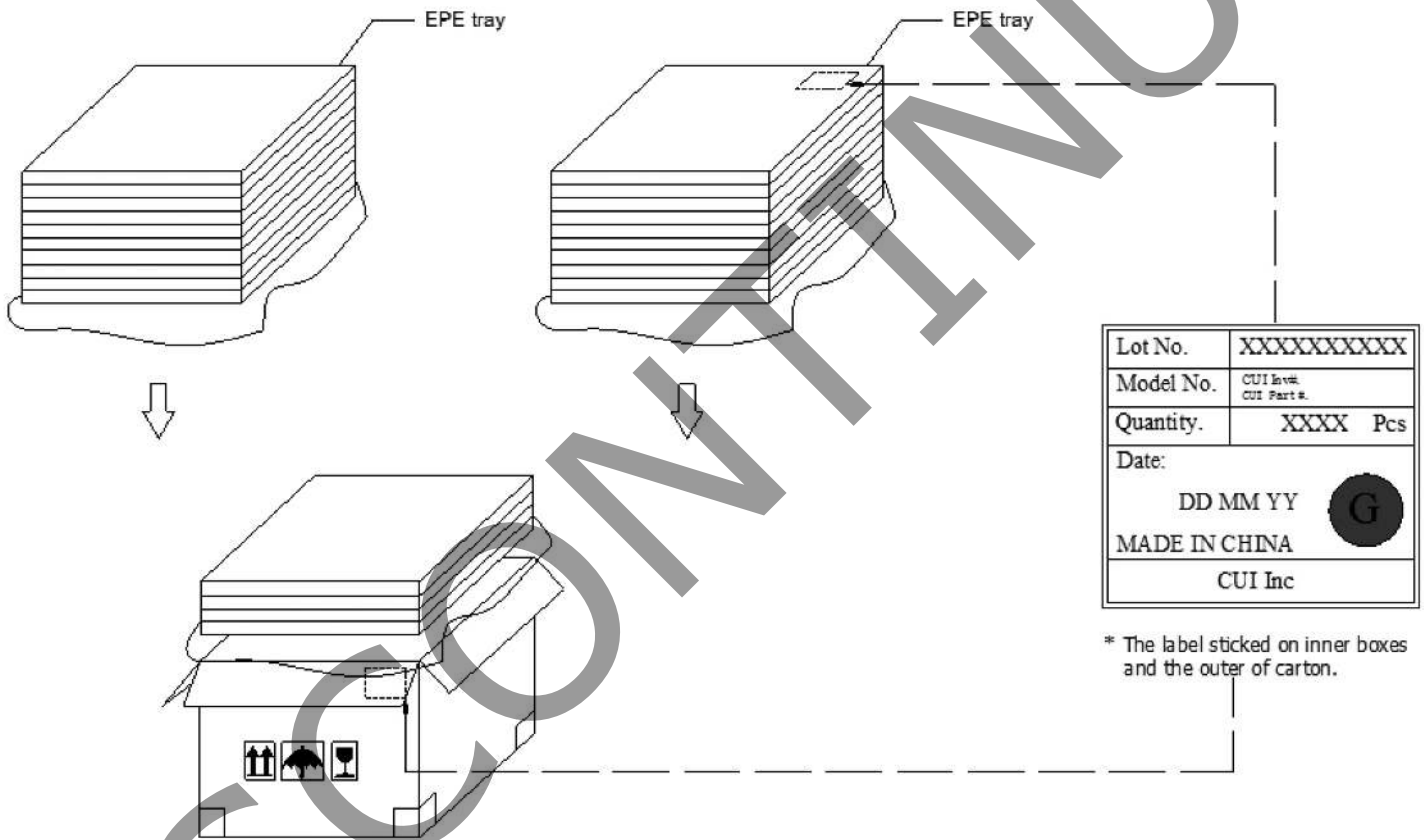
Total Harmonic Distortion Curve



PACKAGING

units: mm

Tray Size: 360 x 225 x 9 mm
 Carton Size: 375 x 240 x 260 mm
 Tray QTY: 100 pcs per tray
 Carton QTY: 2,000 pcs per carton



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 10/13/2016 |

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



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