

**MODEL:** CDM-10008 | **DESCRIPTION:** SPEAKER**FEATURES**

- metal frame
- PET cone

**SPECIFICATIONS**

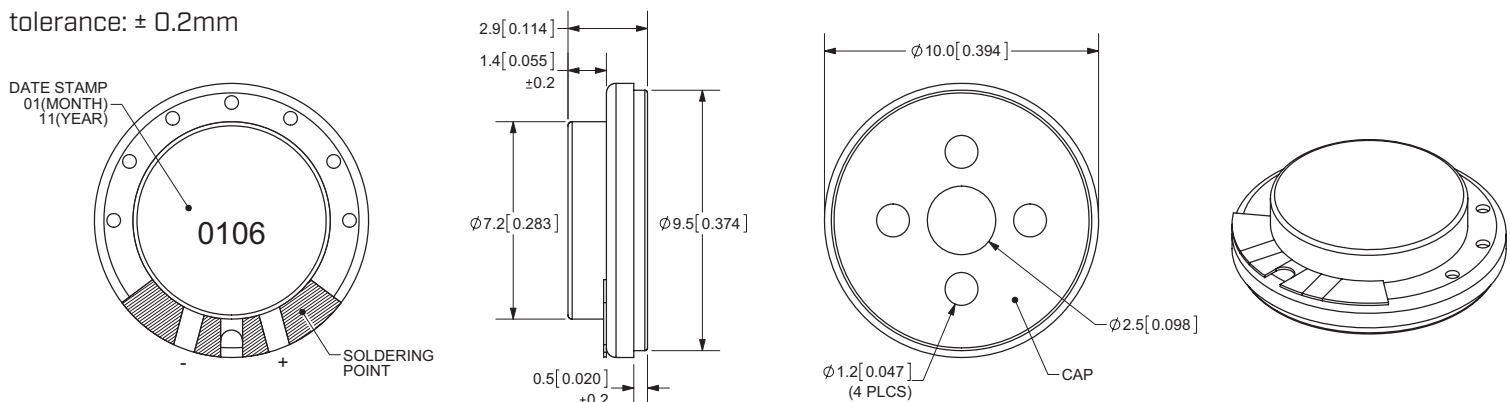
| parameter             | conditions/description                                                         | min      | typ      | max      | units              |
|-----------------------|--------------------------------------------------------------------------------|----------|----------|----------|--------------------|
| diameter              |                                                                                |          | 10       |          | mm                 |
| depth                 |                                                                                |          | 2.9      |          | mm                 |
| input power           | max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp    |          | 0.3      | 0.5      | W                  |
| impedance             | at 1.5 kHz, 1 V                                                                | 6.8      | 8        | 9.2      | $\Omega$           |
| resonant frequency    | at 1 V                                                                         | 960      | 1200     | 1,440    | Hz                 |
| sound pressure level  | 0.3 W, 10 cm ave. at 1, 1.2, 1.5, 2 kHz<br>1 W, 1 m ave. at 1, 1.2, 1.5, 2 kHz | 83<br>69 | 86<br>72 | 89<br>75 | <br>dB<br>dB       |
| response              |                                                                                |          |          | 20,000   | Hz                 |
| distortion            | at 1.5 kHz, 0.3 W                                                              |          |          | 10       | %                  |
| buzz, rattle, etc.    | must be normal at sine wave 1.55 V                                             |          |          |          |                    |
| magnet size           | size: 5.3 x 1.0 mm                                                             |          |          |          |                    |
| operating temperature |                                                                                | -30      |          | 70       | $^{\circ}\text{C}$ |
| weight                |                                                                                |          | 0.6      |          | g                  |
| material              | metal                                                                          |          |          |          |                    |
| RoHS                  | yes                                                                            |          |          |          |                    |

**SOLDERABILITY**

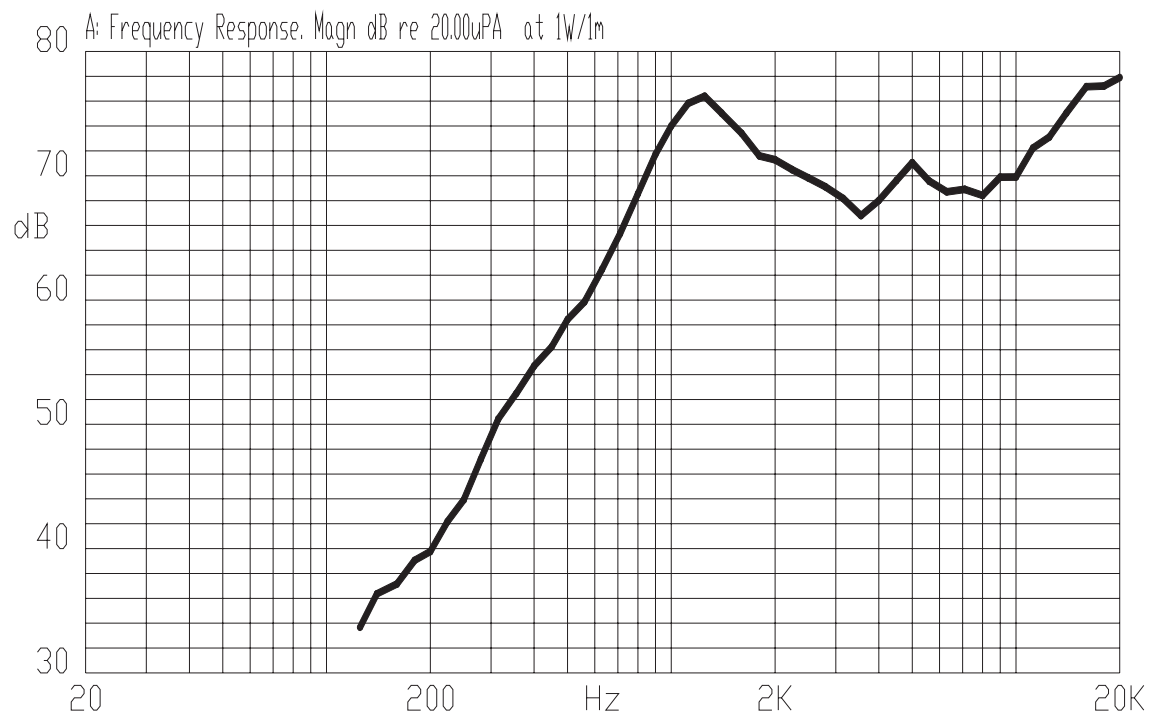
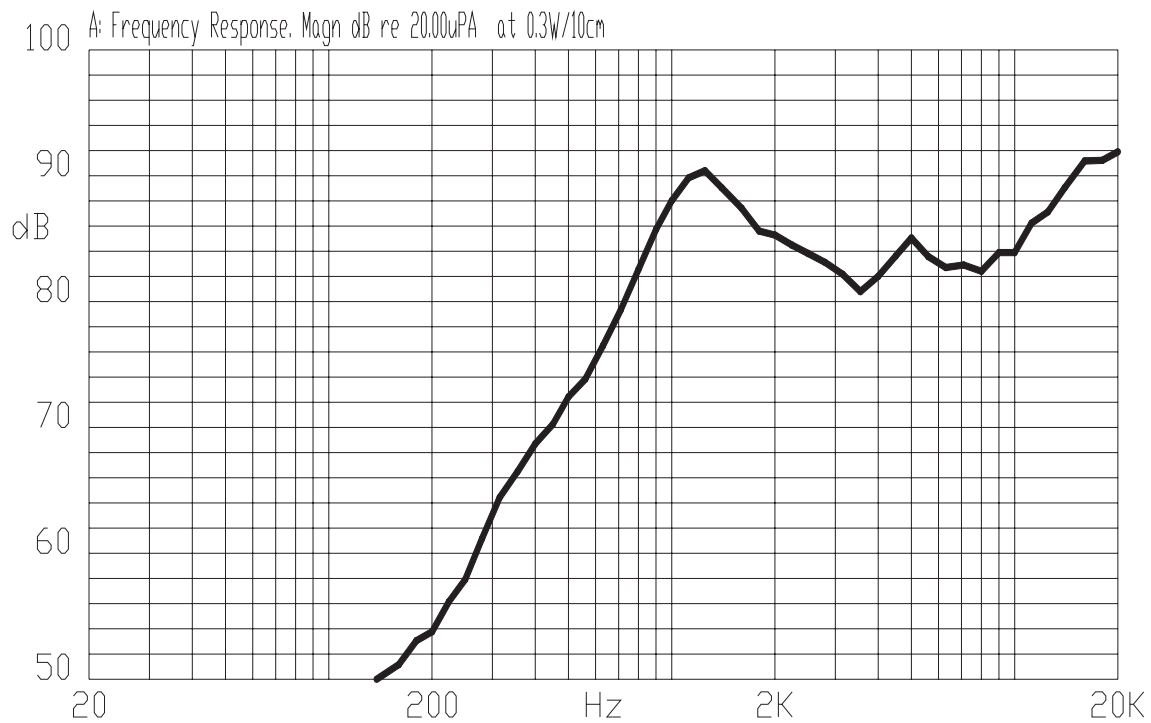
| parameter      | conditions/description                                |
|----------------|-------------------------------------------------------|
| hand soldering | 370 $\pm$ 10 $^{\circ}\text{C}$ for 3 $\pm$ 1 seconds |

**MECHANICAL DRAWING**

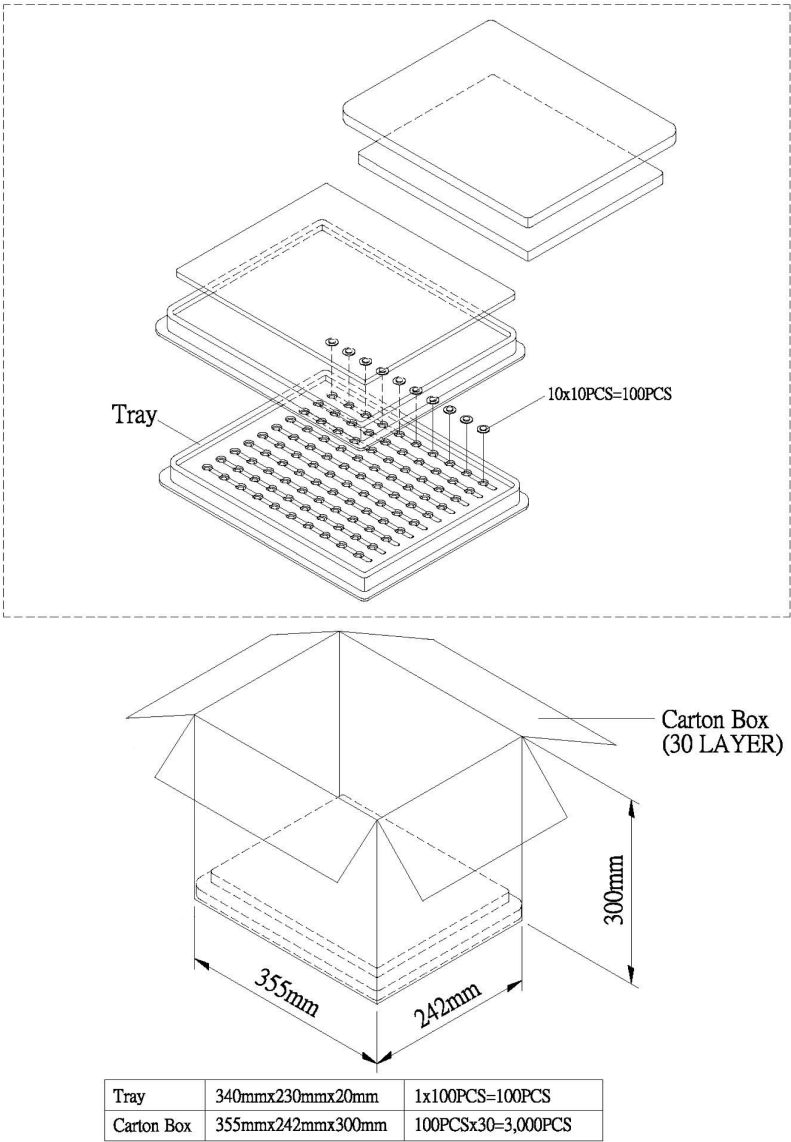
units: mm

tolerance:  $\pm 0.2\text{mm}$ 

## FREQUENCY RESPONSE CURVE



PACKAGING



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 11/08/2011 |
| 1.01 | brand update                 | 01/20/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | operating temperature update | 03/31/2023 |

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



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