

MODEL: CMR-2353-2032SP

| DESCRIPTION: RECEIVER

FEATURES

- dynamic receiver
- solder pads



SPECIFICATIONS

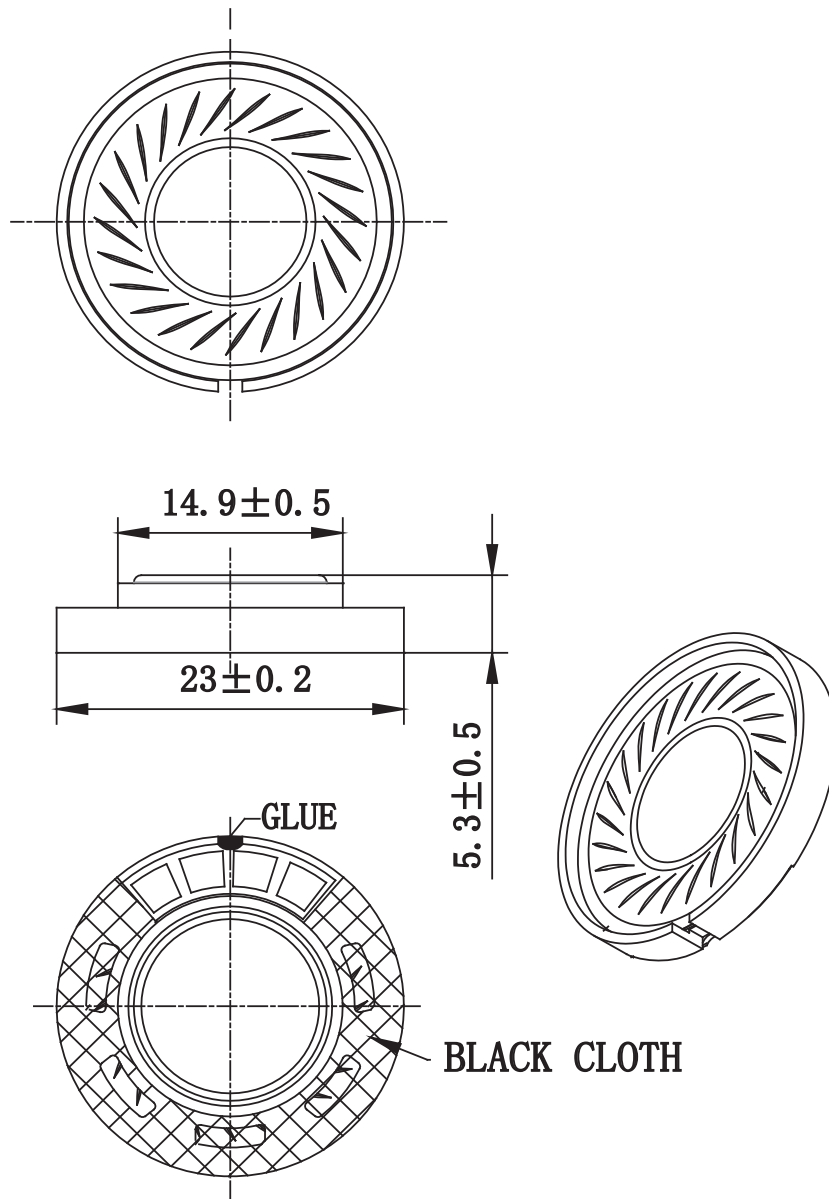
| parameter               | conditions/description                                     | min  | typ | max   | units    |
|-------------------------|------------------------------------------------------------|------|-----|-------|----------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles           |      | 20  | 30    | mW       |
| impedance               | at 1.0 kHz, 1 mW                                           | 25.6 | 32  | 38.4  | $\Omega$ |
| resonant frequency (Fo) | at 0.179 V, 1 mW in free air, 24~27°C (for reference only) | 352  | 440 | 528   | Hz       |
| frequency response      |                                                            | 20   |     | 3,400 | Hz       |
| sound pressure level    | at 1 mW, 1.0 kHz, with IEC318 coupler                      | 119  | 122 | 125   | dB       |
|                         | at 20 mW, 1.0 kHz, with IEC318 coupler                     | 132  | 135 | 138   | dB       |
| distortion              | see THD curve                                              |      |     |       |          |
| buzz, rattle, etc.      | must be normal at sine wave, 20 Hz~3.5 kHz                 |      |     | 0.8   | V        |
| polarity                | cone moves forward w/ positive dc current to “+” terminal  |      |     |       |          |
| dimensions              | Ø23 x 5.3                                                  |      |     |       | mm       |
| magnet                  | Nd-Fe-B                                                    |      |     |       |          |
| frame material          | ABS                                                        |      |     |       |          |
| cone material           | PET                                                        |      |     |       |          |
| terminal                | solder pads                                                |      |     |       |          |
| weight                  |                                                            |      | 3.3 |       | g        |
| operating temperature   |                                                            | -20  |     | 60    | °C       |
| storage temperature     |                                                            | -20  |     | 60    | °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.

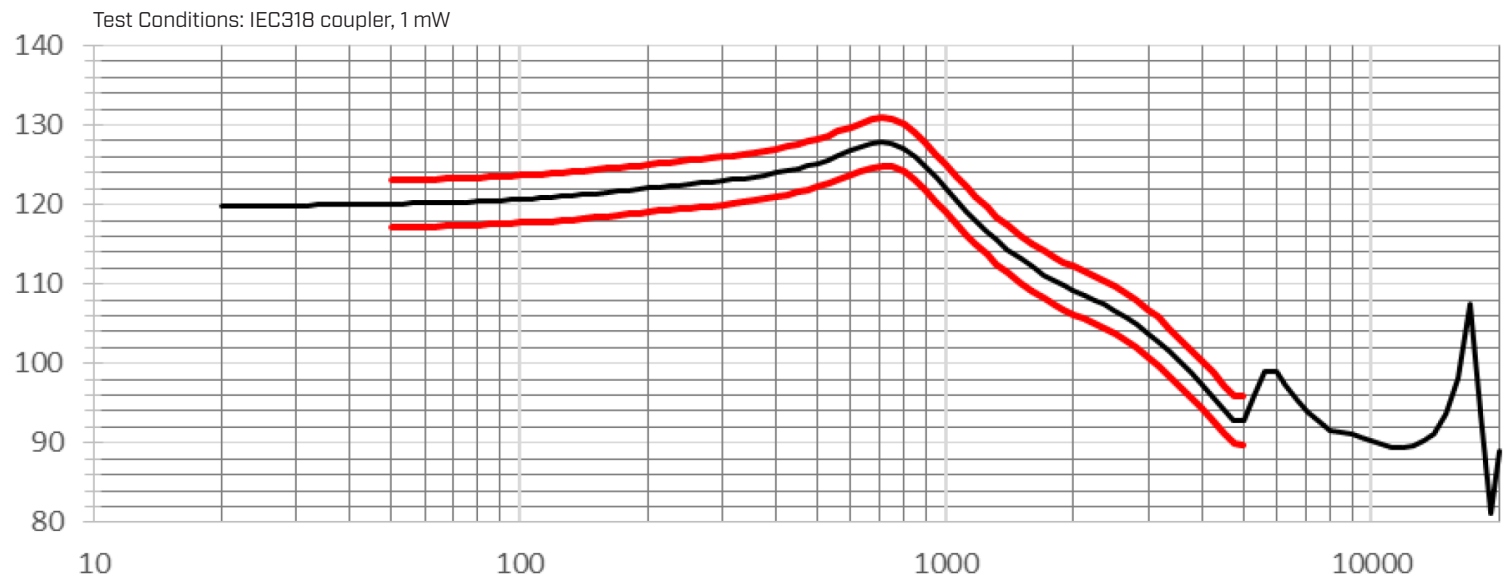
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

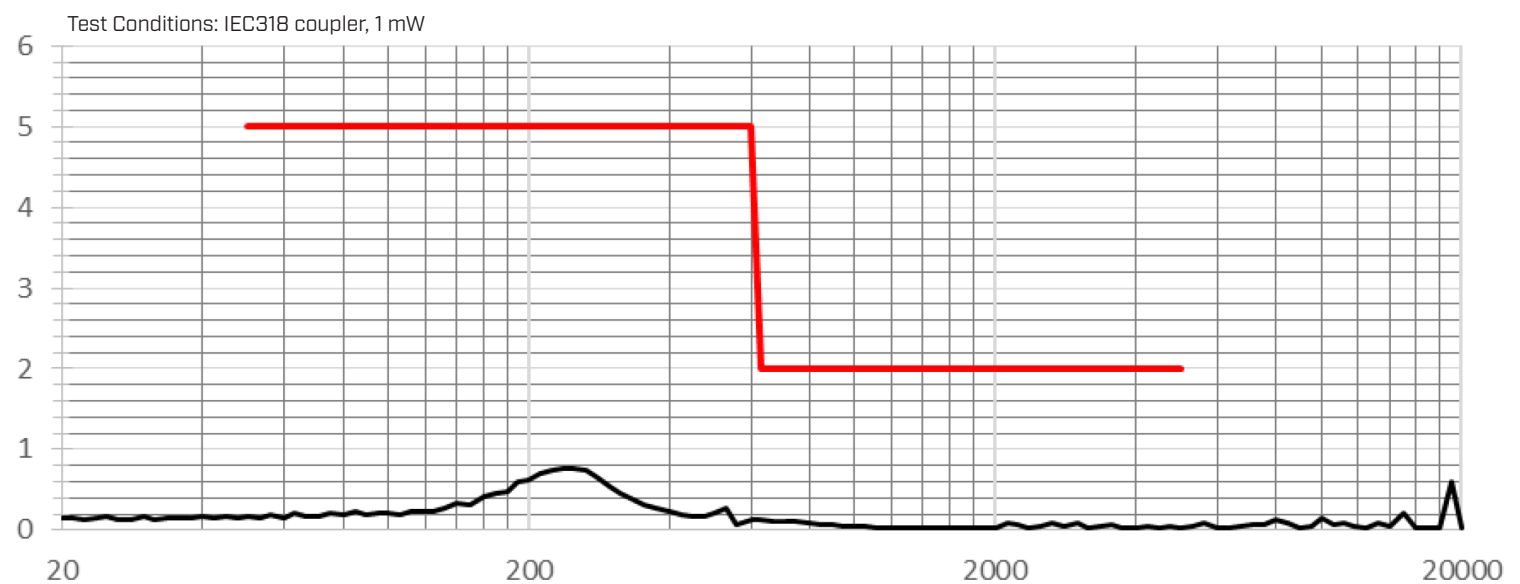


## RESPONSE CURVES

### Frequency Response Curve



### Total Harmonic Distortion Curve



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/20/2023 |
| 1.01 | updated datasheet                 | 05/20/2024 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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

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