

**MODEL:** CLS0301-L152 | **DESCRIPTION:** SPEAKER**FEATURES**

- 30 mm
- round frame
- 1.0 W
- 8  $\Omega$
- neodymium magnet
- paper cone
- wire leads

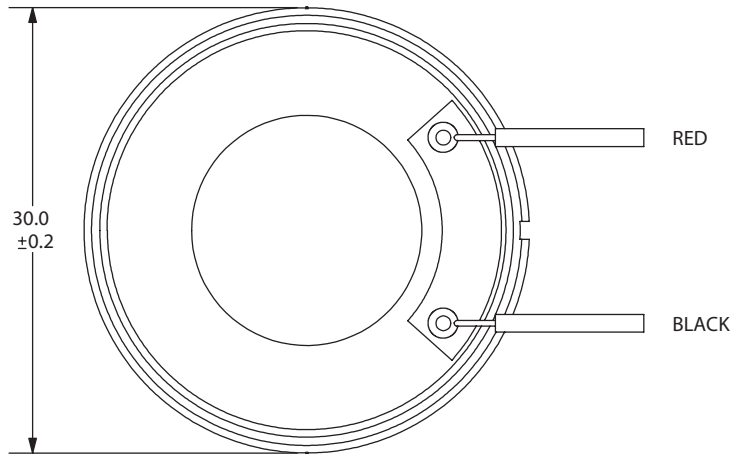
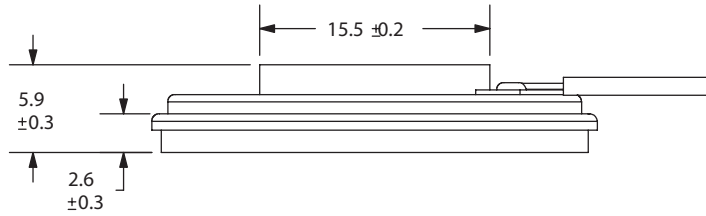
**SPECIFICATIONS**

| parameter               | conditions/description                         | min | typ | max    | units              |
|-------------------------|------------------------------------------------|-----|-----|--------|--------------------|
| input power             |                                                |     | 1.0 | 2.0    | W                  |
| impedance               | at 1.0 kHz, 1.0 V                              | 6.8 | 8   | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                       | 440 | 550 | 660    | Hz                 |
| frequency response      |                                                | Fo  |     | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz | 83  | 86  | 89     | dB                 |
| buzz, rattle, etc.      | must be normal at sine wave                    |     |     | 2.83   | V                  |
| dimensions              | $\varnothing 30 \times 5.9$                    |     |     |        | mm                 |
| magnet                  | Nd-Fe-B                                        |     |     |        |                    |
| cone material           | paper                                          |     |     |        |                    |
| terminal                | wire leads                                     |     |     |        |                    |
| weight                  |                                                |     | 6.5 |        | g                  |
| operating temperature   |                                                | -25 |     | 70     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                          | 340 | 350 | 360    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                            |     |     |        |                    |

## MECHANICAL DRAWING

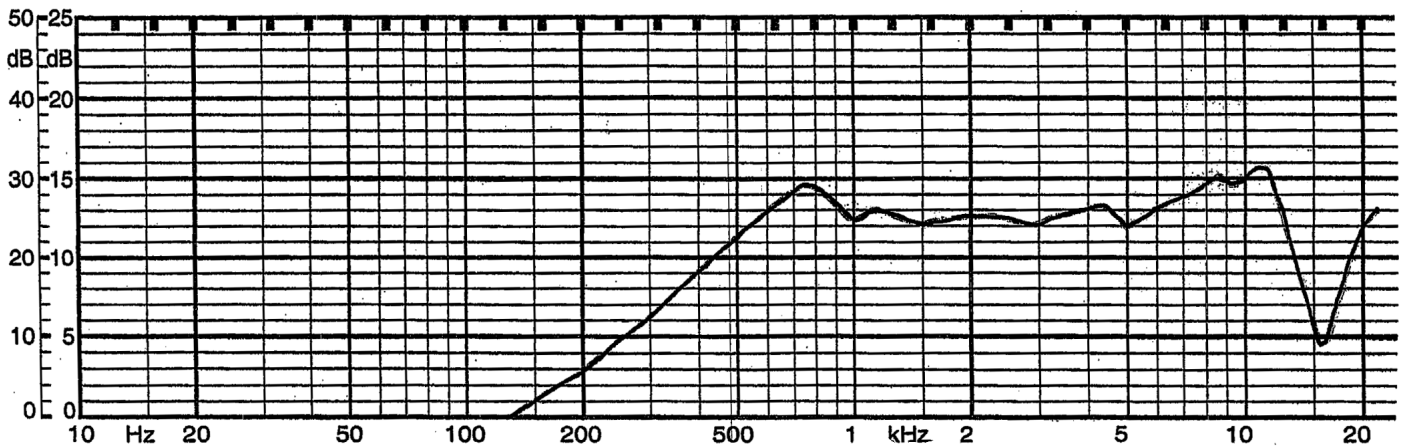
units: mm

wire: UL1007 28 AWG  
length: 152 mm



## FREQUENCY RESPONSE CURVE

| parameter             | conditions/description |
|-----------------------|------------------------|
| potentiometer range   | 50 dB                  |
| rectifier             | RMS                    |
| lower limit frequency | 20 Hz                  |
| wr. speed             | 100 mm/sec             |
| zero level            | 60 dB                  |



## REVISION HISTORY

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| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 07/03/2007 |
| 1.01 | brand update    | 07/01/2020 |

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

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