

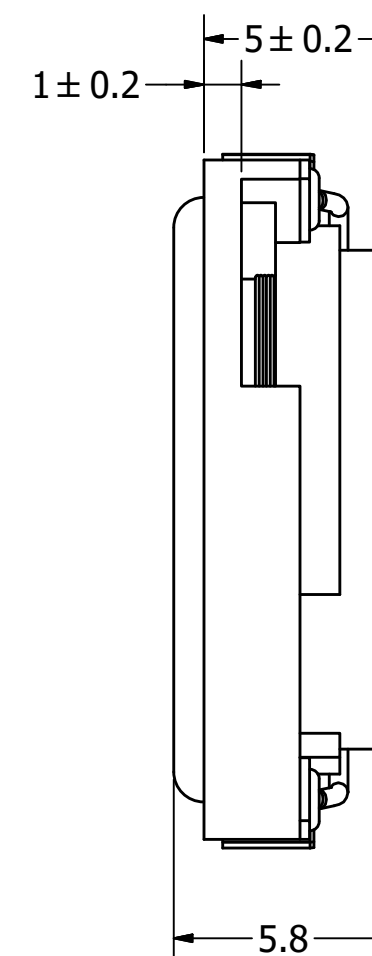
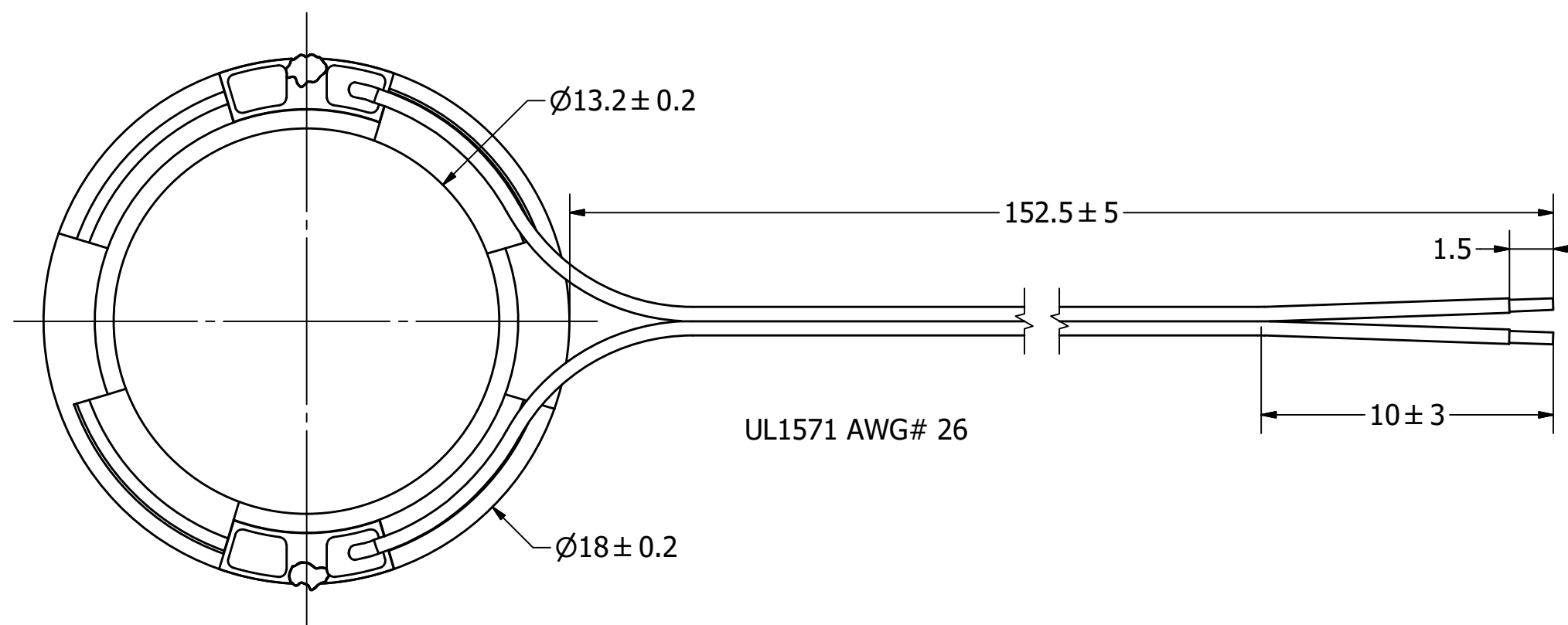
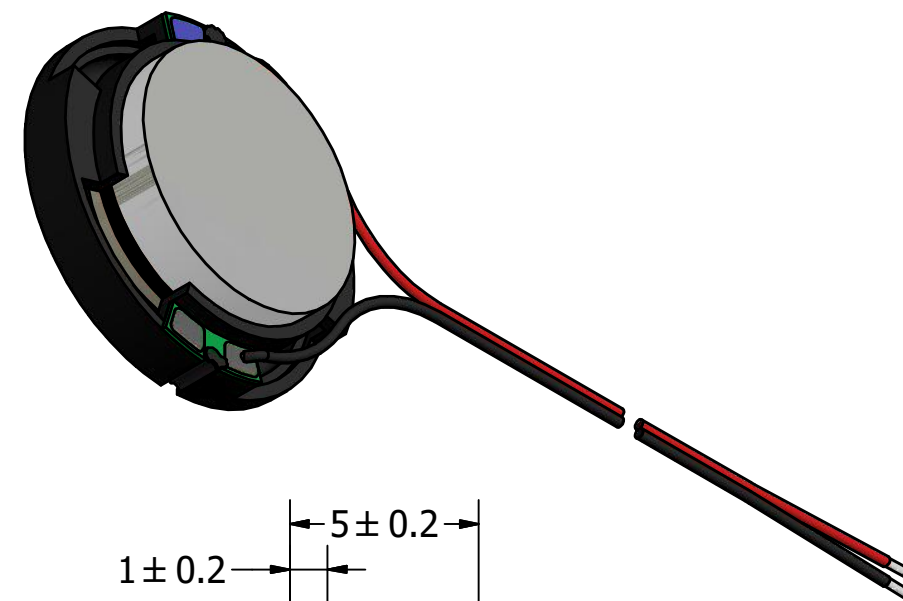
## SPECIFICATIONS

| PARAMETERS                                          | VALUES      | UNITS |
|-----------------------------------------------------|-------------|-------|
| RATED INPUT POWER                                   | 1           | W     |
| MAX INPUT POWER                                     | 1.5         | W     |
| IMPEDANCE                                           | 8 ± 15%     | OHM   |
| OUTPUT SPL @ 1W/0.5M<br>(AT 0.8, 1.0, 1.2, 1.5 kHz) | 80 ± 3      | dBA   |
| DISTORTION (MAX.)                                   | 5%          | -     |
| RESONANT FREQUENCY                                  | 650 ± 20%   | Hz    |
| FREQUENCY RANGE                                     | Fo ~ 18,000 | Hz    |
| HOUSING MATERIAL                                    | ABS         | -     |
| CONE MATERIAL                                       | MYLAR       | -     |
| MAGNET MATERIAL                                     | RARE EARTH  | -     |
| OPERATING TEMPERATURE                               | -25 ~ +60   | °C    |
| WEIGHT                                              | 2.8         | grams |

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| REVISION HISTORY |                                                       |
|------------------|-------------------------------------------------------|
| 1                | Initial Release                                       |
| 2                | Minor corrections and updates                         |
| 3                | Major revision: New features and improved performance |
| 4                | Minor updates and bug fixes                           |
| 5                | Final release                                         |

| LTR | DESCRIPTION                                | DATE      | APPROVED |
|-----|--------------------------------------------|-----------|----------|
| -   | RELEASED FROM ENGINEERING                  | 1/28/2014 |          |
| A   | REVISED RESONANT FREQUENCY                 | 8/25/2017 | M.V.     |
| B   | ADJUSTMENT TO RESONANT FREQUENCY AND RANGE | 5/13/2020 | M.L.     |



## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
3. THIS PART IS RoHS 2015/863/EU COMPLIANT.

|                                                                                                                  |                                                                                       |             |                   |            |           |              |                |            |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------------|------------|-----------|--------------|----------------|------------|
| UNLESS OTHERWISE SPECIFIED:<br><br>DIMENSIONS ARE IN MILLIMETERS,<br><br>TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°. | SIZE<br><br>A3                                                                        | Designed by | Date              | Checked by | Date      | Approved by  | Date           | Drawn Date |
|                                                                                                                  |                                                                                       | J.D.        | 1/28/2014         | M.L.       | 1/28/2014 | B.R.         | 1/28/2014      | 1/28/2014  |
|                                                                                                                  |  |             | AS01808MR-LW152-R |            |           |              |                |            |
| Speaker                                                                                                          |                                                                                       |             |                   |            |           | Edition<br>- | Sheet<br>1 / 1 |            |
| AS01808MR-LW152-R.idw                                                                                            |                                                                                       |             |                   |            |           |              |                |            |