

## SPECIFICATIONS

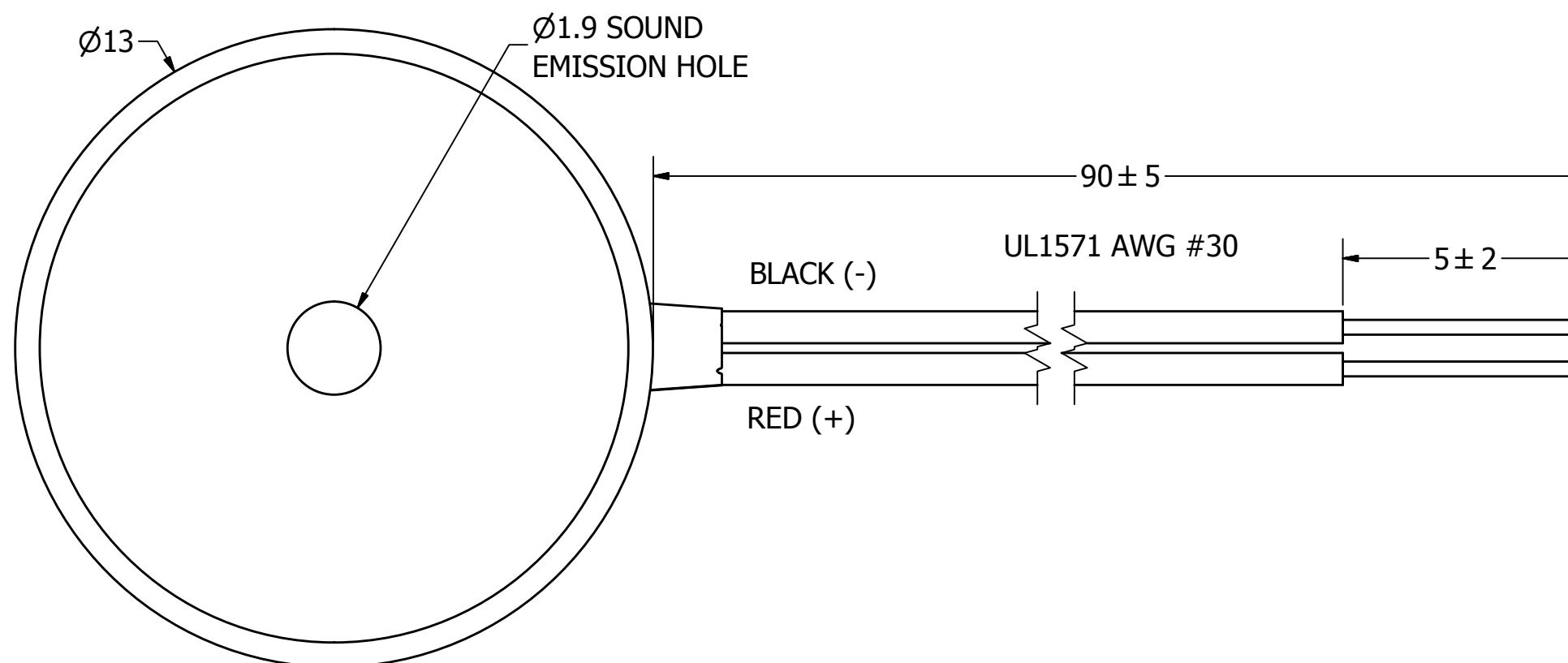
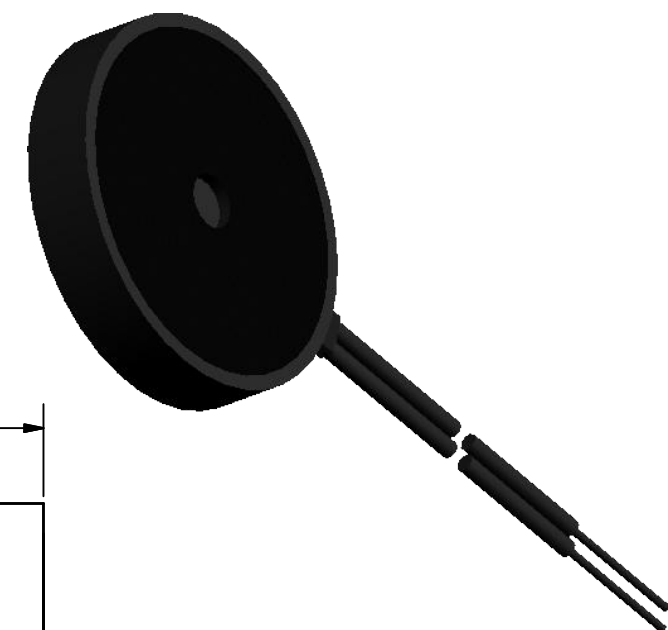
| PARAMETERS              | VALUES       | UNITS |
|-------------------------|--------------|-------|
| RATED VOLTAGE           | 10           | Vp-p  |
| OPERATING VOLTAGE RANGE | 1 ~ 30       | Vp-p  |
| RATED CURRENT (MAX)     | 5            | mA    |
| CAPACITANCE             | 15,000 ± 30% | pF    |
| MINIMUM SPL @ 10 CM     | 80           | dBa   |
| RESONANT FREQUENCY      | 4,800 ± 500  | Hz    |
| OPERATING TEMPERATURE   | -20 ~ +70    | °C    |
| STORAGE TEMPERATURE     | -30 ~ +75    | °C    |
| HOUSING MATERIAL        | ABS          | -     |
| TERMINAL MATERIAL       | LEAD WIRES   | -     |
| WEIGHT                  | 1            | grams |

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| REVISION HISTORY |  |
|------------------|--|
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| LTR | DESCRIPTION                              | DATE      | APPROVED |
|-----|--|-----------|----------|
| -   | RELEASED FROM ENGINEERING                | 6/14/2006 |          |
| A   | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 4/10/2008 | B.R.     |
| B   | REVISED RoHS STATEMENT                   | 1/6/2017  | M.V.     |



**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2011/65/EU COMPLIANT.

|  |      |  |           |            |                   |             |              |                |
|--|------|--|-----------|------------|-------------------|-------------|--------------|----------------|
| UNLESS OTHERWISE SPECIFIED:<br><br>DIMENSIONS ARE IN MILLIMETERS,<br><br>TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°. | SIZE | Designed by  | Date      | Checked by | Date              | Approved by | Date         | Drawn Date     |
|  | A3   | J.D.   | 6/14/2006 | B.R.       | 6/14/2006         | B.R.        | 6/14/2006    | 4/10/2008      |
|  |      |  <b>pui audio</b> <sup>TM</sup> inc<br>a projects unlimited company |           |            | AT-1348-TF-LW90-R |             |              |                |
| AT-1348-TF-LW90-R.idw  |      | Transducer (Piezo)   |           |            |                   |             | Edition<br>- | Sheet<br>1 / 1 |

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