

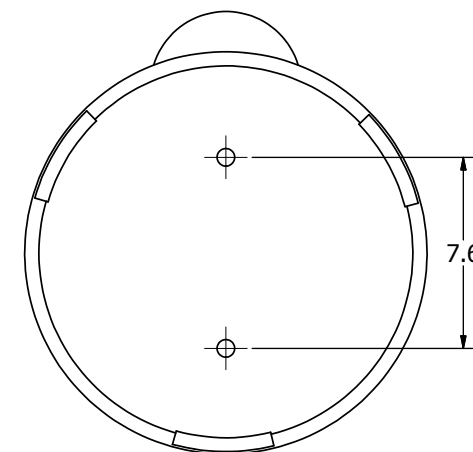
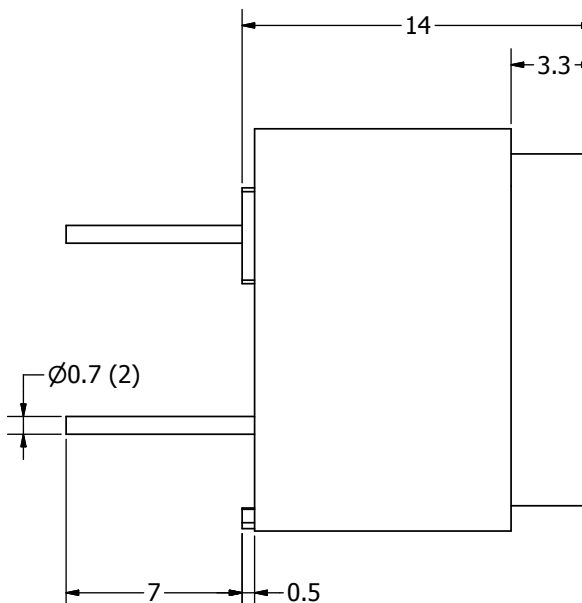
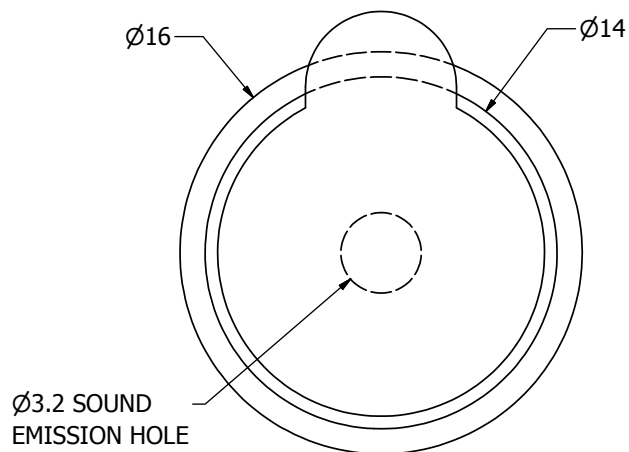
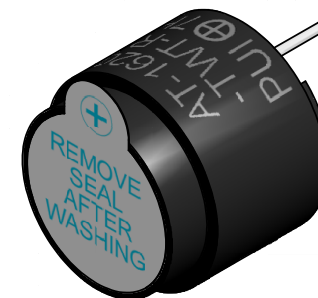
## SPECIFICATIONS

| PARAMETERS                  | VALUES           | UNITS |
|-----------------------------|------------------|-------|
| RATED VOLTAGE (SQUARE WAVE) | 6                | Vdc   |
| OPERATING VOLTAGE RANGE     | 4 ~ 8            | Vdc   |
| RATED CURRENT (MAX)         | 40               | mA    |
| COIL RESISTANCE             | 50 ± 5           | OHM   |
| MINIMUM SPL @ 10 CM         | 85               | dBA   |
| RESONANT FREQUENCY          | 2,048 ± 500      | Hz    |
| OPERATING TEMPERATURE       | -20 ~ +70        | °C    |
| STORAGE TEMPERATURE         | -30 ~ +80        | °C    |
| HOUSING MATERIAL            | NORYL            | -     |
| TERMINAL MATERIAL           | Sn PLATED COPPER | -     |
| WEIGHT                      | 7                | grams |

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## REVISION HISTORY

| LTR | DESCRIPTION                              | DATE       | APPROVED |
|-----|------------------------------------------|------------|----------|
| -   | RELEASED FROM ENGINEERING                | 9/24/2004  |          |
| A   | REMOVED LEAD FREE ADDED RoHS NOTE        | 8/10/2005  |          |
| B   | REVISED TERMINAL MATERIAL                | 3/21/2006  |          |
| C   | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 10/15/2007 | B.R.     |



## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

|                                                                                                                  |                       |             |                                                                                       |            |      |                           |           |            |              |  |                |
|------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|---------------------------------------------------------------------------------------|------------|------|---------------------------|-----------|------------|--------------|--|----------------|
| UNLESS OTHERWISE SPECIFIED:<br><br>DIMENSIONS ARE IN MILLIMETERS,<br><br>TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°. | SIZE<br><br><b>A3</b> | Designed by | Date                                                                                  | Checked by | Date | Approved by               | Date      | Drawn Date |              |  |                |
|                                                                                                                  |                       | R.A.C.      | 9/24/2004                                                                             |            |      | R.W.                      | 9/24/2004 | 10/15/2007 |              |  |                |
|                                                                                                                  | AT-1620-TWT-R.idw     |             |  |            |      | <b>AT-1620-TWT-R</b>      |           |            | Edition<br>- |  | Sheet<br>1 / 1 |
|                                                                                                                  |                       |             |                                                                                       |            |      | Transducer (Electro-Mech) |           |            |              |  |                |