

SPECIFICATIONS

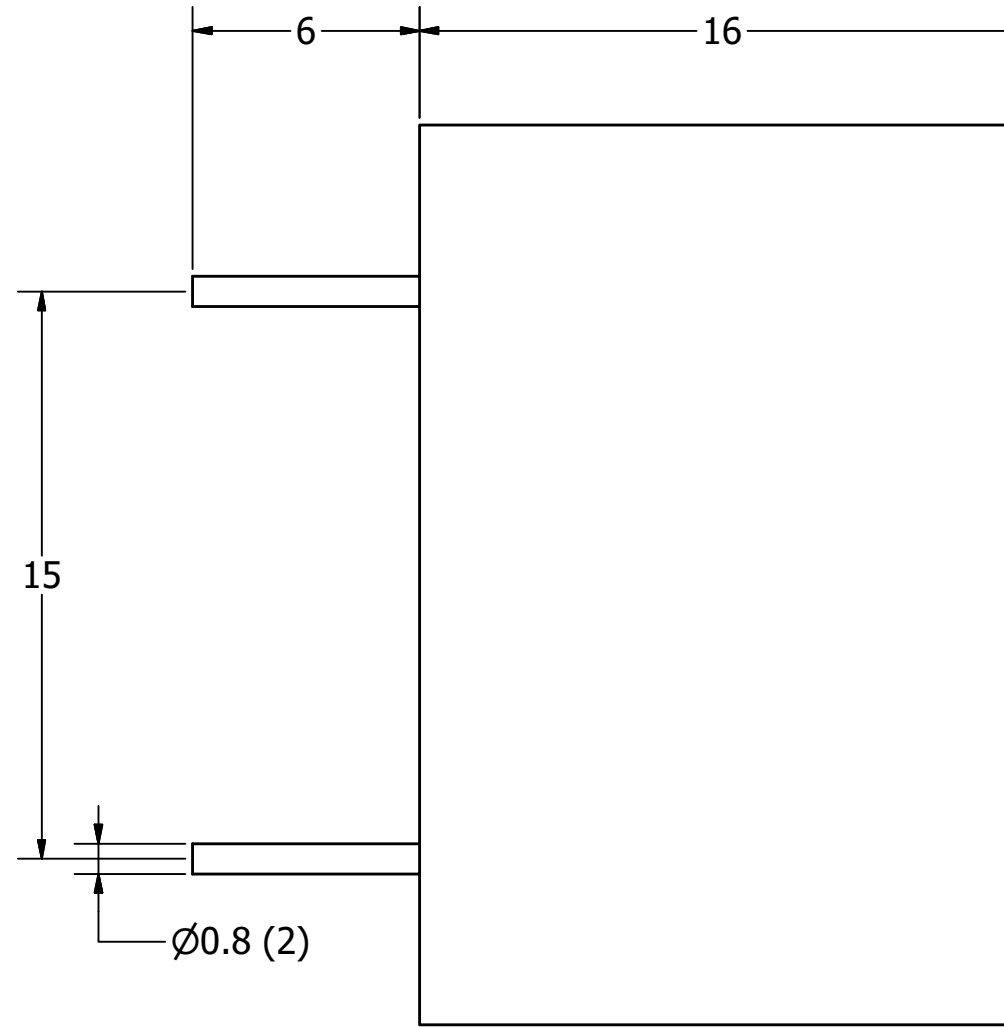
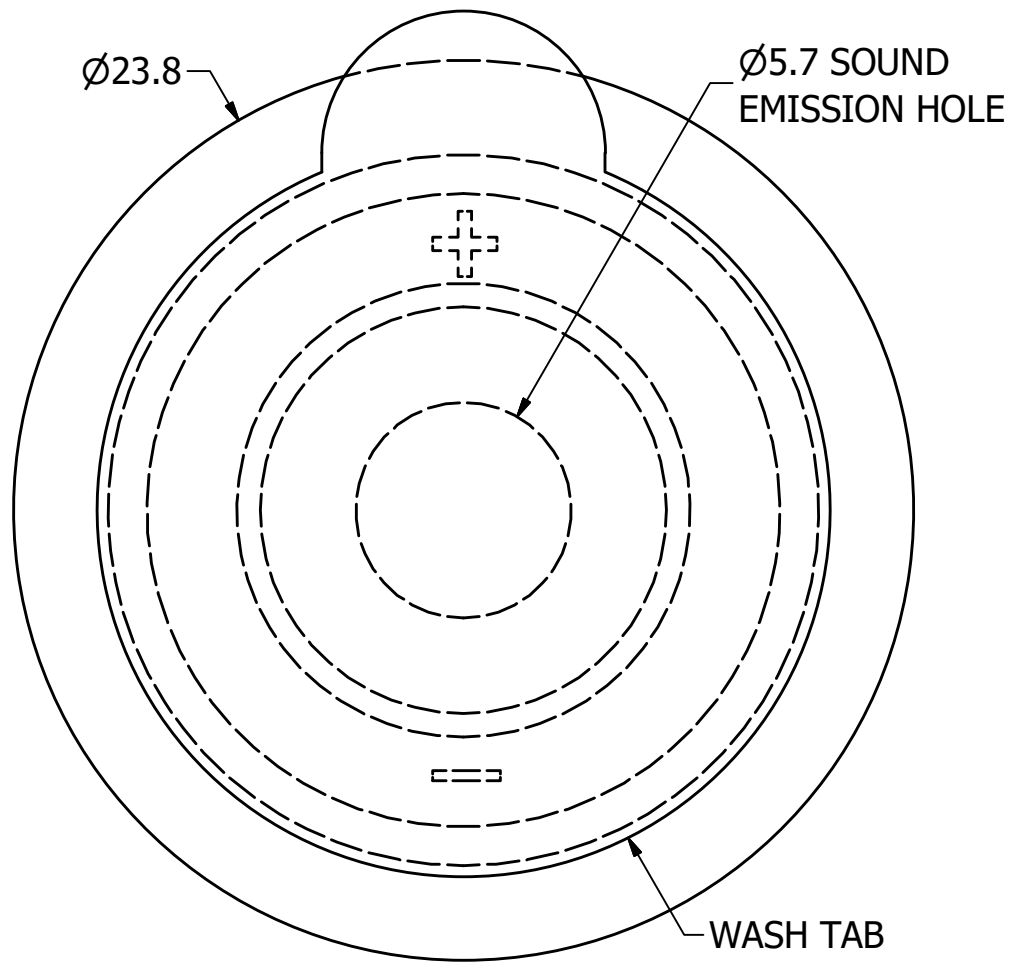
| PARAMETERS | VALUES | UNITS |
|-------------------------|-------------------------|-------|
| RATED VOLTAGE | 12 | Vp-p |
| OPERATING VOLTAGE RANGE | 2 ~ 30 | Vp-p |
| RATED CURRENT (MAX) | 8 | mA |
| CAPACITANCE | 70,000 ± 30% | pF |
| MINIMUM SPL @ 10 CM | 90 | dBa |
| RESONANT FREQUENCY | 2,900 ± 500 | Hz |
| OPERATING TEMPERATURE | -30 ~ +105 | °C |
| STORAGE TEMPERATURE | -40 ~ +105 | °C |
| HOUSING MATERIAL | PPS | - |
| TERMINAL MATERIAL | Sn PLATED RED COPPER | - |
| WEIGHT | 5 | grams |

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| REVISION HISTORY | |
|------------------|--------------------------------------|
| 1 | Initial Release |
| 2 | Minor corrections and updates |
| 3 | Major revision: Added new sections |
| 4 | Minor updates and formatting changes |
| 5 | Final review and approval |

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--|-----------|----------|
| - | RELEASED FROM ENGINEERING | 2/22/2006 | |
| A | REVISED TEMPERATURE RANGES | 5/28/2008 | B.R. |
| B | REVISED TEMPERATURE RANGES | 6/24/2008 | B.R. |
| C | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 9/30/2008 | B.R. |
| D | REVISED CAPACITANCE | 7/23/2018 | M.V. |
| E | REVISED TEMPERATUERE SPECIFICATIONS | 2/28/2020 | M.V. |



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: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°. | SIZE A3 | Designed by | Date | Checked by | Date | Approved by | Date | Drawn Date |
| | | J.A.F. | 2/22/2006 | B.R. | 2/22/2006 | E.P. | 2/22/2006 | 9/30/2008 |
| | AT-2429-TWT-R.idw | |  | | AT-2429-TWT-R | | | |
| | | | | Transducer (Piezo) | | | Edition - | Sheet 1 / 1 |

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