
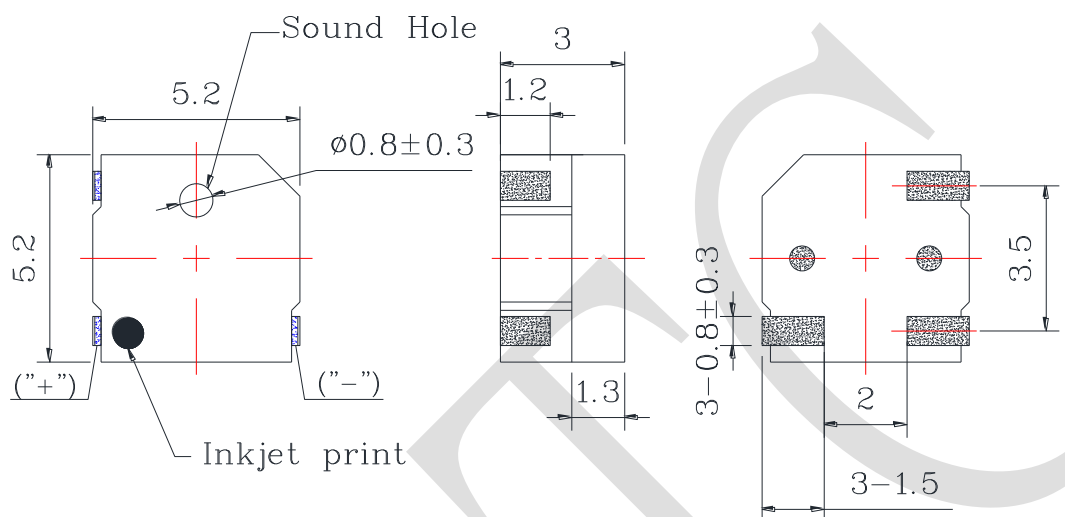


# 1. SPECIFICATION

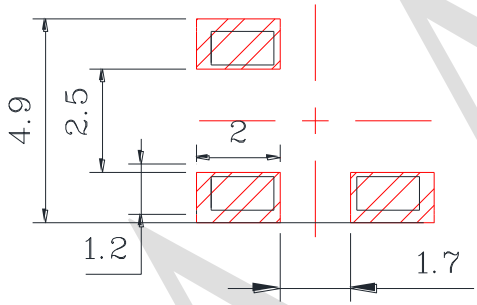
AD-503-PQ1

| ITEM |   | UNITS         | SPECIFICATIONS | CONDITIONS  |
|------|---|---------------|----------------|---|
| 01   | Rated Voltage                               | V             | 3              |  <p>A square wave diagram with a peak-to-peak voltage labeled <math>V_{p-p}</math> and a reference level labeled <math>0V</math>.</p> |
| 02   | Operating Voltage                           | V             | 2 ~ 4          |   |
| 03   | Consumption Current                         | mA<br>Max.    | 90             | Standard state, standard drive circuit.<br>Square wave 1/2 duty.  |
| 04   | Sound pressure level<br>(Distance at 10cm ) | dB(A)<br>Min. | 75             | Rated voltage, rated frequency.   |
| 05   | Direct Current Resistance                   | $\Omega$      | $16 \pm 3$     |   |
| 06   | Rated Frequency                             | Hz            | 4000           |   |

| REV NO. | REVISION NOTE | APPROVAL | DATE |
|---------|---------------|----------|------|
|---------|---------------|----------|------|



RECOMMENDED PCB LAYOUT



RoHS

|  |   |                        |  |            |              |
|--|---|------------------------|--|------------|--------------|
| TITLE: SOUND TRANSDUCER (SMD)          |   | DRAWN: Zack            | 2020/02/21   | SCALE: 1:1 | SHEET: 1 : 1 |
| PART NO. AD-503-PQ1                    |   | DESIGNED: R & D OF AAT | UNITS: mm  |            |              |
| DWG NO. FDM-2871 SMD-050030F-03040R16N |   | CHECKED:               | TOLERANCE ± 0.5  |            |              |
|  |   | APPROVAL:              | UNLESS OTHERWISE SPECIFIED:<br>ONE PLACE DECIMAL ± ***<br>TWO PLACE DECIMAL ± ***<br>THREE PLACE DECIMAL ± *** |            |              |
| REV                                    | 2 | MATERIAL: LCP          |  |            |              |



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