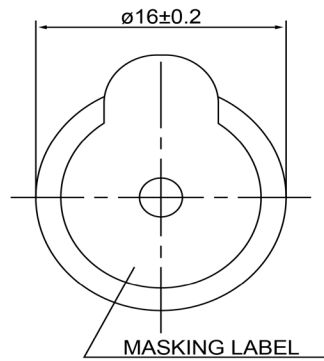
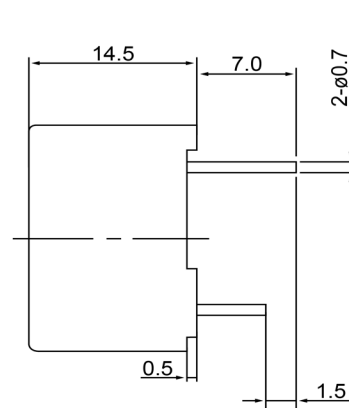


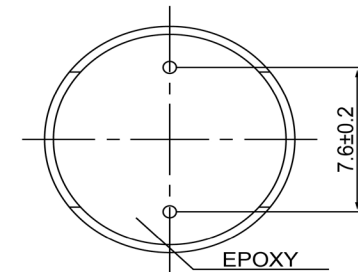
TOP VIEW




SIDE VIEW



BOTTOM VIEW



| Specifications        |                    |       | Notes   | Revision History              |                           |            |            |             |            |
|-----------------------|--------------------|-------|---|-------------------------------|---------------------------|------------|------------|-------------|------------|
| Description           | Value              | Unit  |   | Version                       | Description               |            | Date       | Approved    |            |
| Technology            | Electro-Mechanical |       | 1) All dimensions are in mm unless otherwise noted<br>2) All parts meet RoHS                        | 1                             | Released from Engineering |            | 10/21/2013 | J.S         |            |
| Resonant Frequency    | 2,048              | (Hz)  |   |                               |                           |            |            |             |            |
| Rated Voltage         | 12                 | (V)   |   |                               |                           |            |            |             |            |
| SPL @ 10cm            | 85                 | (dBA) |   |                               |                           |            |            |             |            |
| Coil Resistance       | 115                | (ohm) |   |                               |                           |            |            |             |            |
| Mount Type            | Thru Hole          |       |   |                               |                           |            |            |             |            |
| Voltage Range         | 8 ~ 16             | (V)   |   |                               |                           |            |            |             |            |
| Max Rated Current     | 40                 | (mA)  |   |                               |                           |            |            |             |            |
| Housing Material      | NORYL              |       |   |                               |                           |            |            |             |            |
| Operating Temperature | -30 ~ +70          | °C    |   |                               |                           |            |            |             |            |
| Storage Temperature   | -40 ~ +85          | °C    | <br>DB UNLIMITED | Drawn by                      | Date                      | Checked by | Date       | Approved by | Date       |
| Weight                | 7                  | (g)   |   | A.B.                          | 10/21/2013                | C.E.       | 10/21/2013 | J.S         | 10/21/2013 |
|                       |                    |       |   | Electro-Mechanical Transducer |                           |            | TE162012-5 |             |            |

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