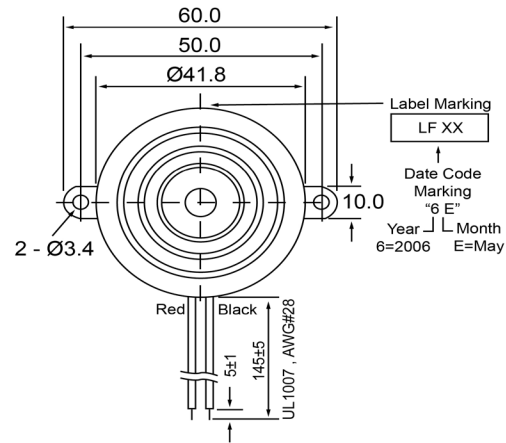
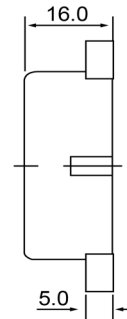



TOP VIEW



SIDE VIEW



| Specifications        |           |       | Notes  | Revision History   |                           |            |            |  |  |
|-----------------------|-----------|-------|--|--|---------------------------|------------|------------|--|--|
| Description           | Value     | Unit  |  | Version  | Description               | Date       | Approved   |  |  |
| Technology            | Piezo     |       | 1) All dimensions are in mm unless otherwise noted<br>2) All parts meet RoHS<br> | 1  | Released from Engineering | 10/21/2013 | J.S        |  |  |
| Resonant Frequency    | 2,800     | (Hz)  |  |  |                           |            |            |  |  |
| Rated Voltage         | 12        | (V)   |  |  |                           |            |            |  |  |
| SPL @ 10cm            | 100       | (dBA) |  |  |                           |            |            |  |  |
| Capacitance           | 35,000    | (pF)  |  |  |                           |            |            |  |  |
| Mount Type            | Flange    |       |  |  |                           |            |            |  |  |
| Voltage Range         | 1 ~ 30    | (V)   |  |  |                           |            |            |  |  |
| Max Rated Current     | 7         | (mA)  |  |  |                           |            |            |  |  |
| Housing Material      | ABS       |       |  |  |                           |            |            |  |  |
| Operating Temperature | -20 ~ +60 | °C    |  |  |                           |            |            |  |  |
| Storage Temperature   | -20 ~ +60 | °C    |  |  |                           |            |            |  |  |
| Weight                | 3         | (g)   |  |  |                           |            |            |  |  |
|                       |           |       |  | Drawn by: A.B.    Date: 10/21/2013    Checked by: C.E.    Date: 10/21/2013    Approved by: J.S    Date: 10/21/2013 |                           |            |            |  |  |
|                       |           |       |  | Piezo Transducer   |                           |            | TP412812-1 |  |  |