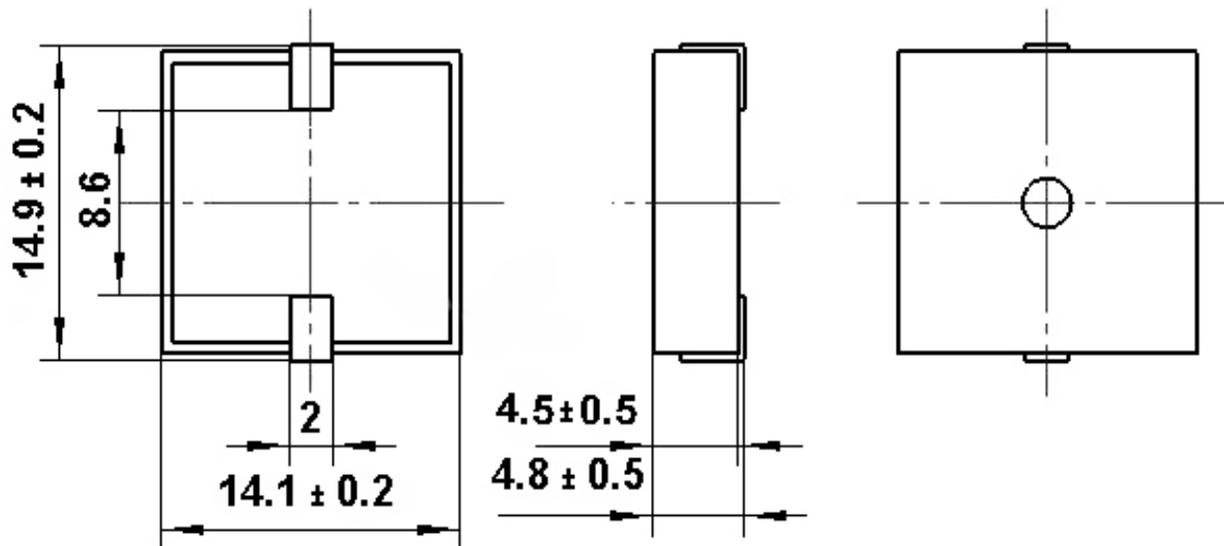


Sales Outline DrawingRevision **D****Specifications:**

| | |
|------------------------------------|-----------------------------------|
| Oscillation Frequency (Hz) | 4000 ± 500 |
| Operating Voltage (Vp-p) | 20 |
| Rated Voltage (Vp-p) | 5.0 |
| Current Consumption Max. (mA) | 2 at Rated Voltage |
| Sound Pressure Level (dB/min) | 75 at 10cm at Rated Voltage |
| Capacitance (pF) | 12,000 ± 30% at 120 Hz |
| Operating Temperature (°C) | -30 ~ +70 |
| Storage Temperature (°C) | -40 ~ +80 |
| Type of Connection Terminal | SMD |
| Housing | PPS plastic resin (Color : Black) |
| Weight (Grams) | 1.2 |
| Condition by reflow soldering (°C) | 245 ± 5 / 1 min |
| Condition by hand soldering (°C) | 350 ± 20 / within 5 sec |
| Options | For other options contact factory |

Dimensions: (units: mm)**RoHS Compliant****Packaging:**

Parts are supplied on Cut-Tape,
 Units do not come with wash label and are not appropriate for aqueous wash.

Direct Drive Transducer Operation:

Direct drive transducer devices do not have any included DC circuitry, so the user must apply a sine or square wave with the appropriate rated frequency. A square wave will typically result in more sound level than a sine wave. The higher the peak-to-peak voltage applied (up to the maximum rated voltage), the higher the resulting sound level.

Frequency Response:

