

**Type Code**

**CPB28A06-2.8-W100:**

Chinasound Piezo Buzzer 27.8(<28mm) diameter, type A (=14.7mm height), 6VDC rated voltage – 2.8KHz resonant frequency – Wire length 100mm

**Picture**



**Characteristics**



**Technical Terms**

|                            |                          |            |
|----------------------------|--------------------------|------------|
| Type                       | <b>CPB28A06-2.8-W100</b> |            |
| Rated Voltage              | (VDC)                    | 6          |
| Operating Voltage          | (VDC)                    | 3~20       |
| Rated Current at 6VDC      | (mA)                     | 5 max.     |
| Sound Output at 6VDC, 10cm | (dB)                     | 90dB min.  |
| Resonant Frequency         | (Hz)                     | 2800+/-500 |
| Tone                       |                          | Continuous |
| Operating Temperature      | (°C)                     | -30~+80    |
| Storage Temperature        | (°C)                     | -40~+90    |
| Weight                     | (g)                      | 6.4        |

**Reliability**

|                       |   |
|-----------------------|---|
| Life Test             | Operate the part at 6VDC in room temperature continuously for 1000 hours.   |
| Operating Temperature | Driving from -30 °C to +80 °C within 30 minutes for 2 cycles  |
| High Temperature      | +85 °C+/-2 °C, 120hrs   |
| Low Temperature       | -40 °C+/-2 °C, 120hrs   |
| Humidity              | +60 °C+/-2 °C, 90~95%RH, 120hrs   |
| Thermal Shock         | -40 °C+/-2 °C, 1hr→+20 °C,5min,→+90 °C+/-2 °C, 1hr→+20 °C,5min, 5 cycles  |
| Shock                 | 980m/s <sup>2</sup> (=100g) shock for each 3 mutually perpendicular directions to each of 3 times by half sine wave                           |
| Vibration             | 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular direction for 2 hrs   |
| Drop Test             | Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions - upper and side of the part are to be applied. |

All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber)

**Dimensions (Unit:mm)**

