

Description

CPB14B09-4.4R:

Chinasound SMD Piezo Buzzer 14mm diameter, type B(=7.8mm height), 9VDC rated voltage – 4.4KHz resonant frequency – RoHS compliant
CPB14B09-4.4-1R: washable version

◆ **RoHS compliant**

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Flame Retardant Plastic UL 94-V0
- ◆ Corrosion Resistance Diaphragm if required
- ◆ Washable when sound hold sealed with label

Picture



Characteristics



Specification

- Rated Voltage
- Operating Voltage
- Operating Frequency
- Typical Sound Output
- Typ. Operating Current
- Operating Temperature
- Storage Temperature
- Termination
- Construction Materials
- Weight (Typical)
- Reliability

- Description
- Termination Strength
- Case
- Diaphragm

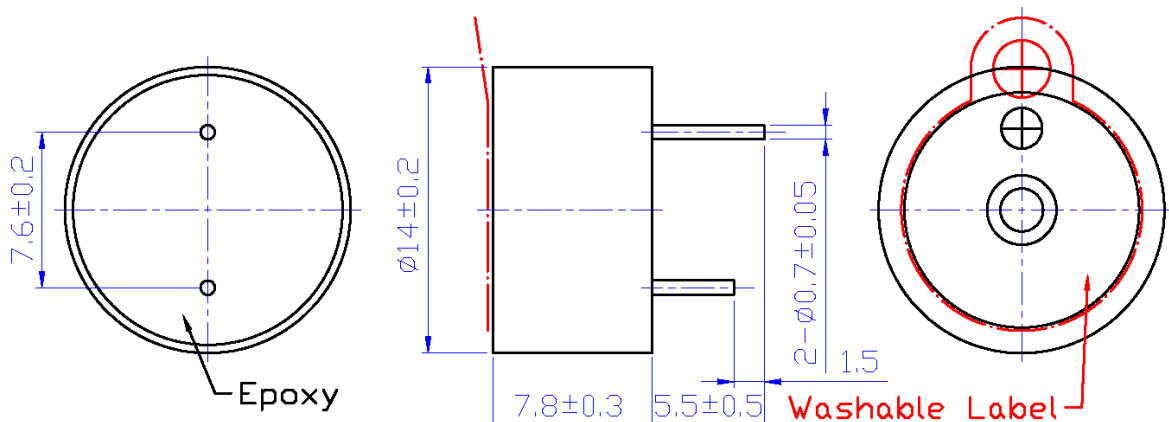
- *Life Test
- *High Temperature
- *Low Temperature
- *Humidity
- *Thermal Shock
- *Vibration
- *Shock
- *Drop Test
- *Soldering Heat Resistance
- **Solderability

9 VDC
 3-16VDC
 4400+/-500Hz
 85dB min. at 9VDC 10cm 25 °C
 8mA max. at 9VDC
 -40 °C to +85 °C
 -40 °C to +90 °C
 2 PC pins, electro-tin plated brass
 Maximum of 9.8N load pull test, applied to each terminal in axial direction for 10 seconds
 Plastic, Noryl PX9406 (Black) made by GE Plastics, UL 94-V0 (UL No.: E207780)
 Brass Disc
 0.9 g
 At rated voltage in room temperature, 1 cycle = 1 min. ON 4 min. OFF, continuously for 1000 hours
 No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours
 No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours
 +60 +/-2 °C,90-95%RH, 120 hours
 -40+/-2 °C 1 hr → +20 +/-2 °C 5 min. → +85+/-2 °C 1 hr → +20+/-2 °C 5 min. 5 cycles
 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
 980m/s²(=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
 Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
 Pins are immersed up to 1.5mm from sounder's body in solder bath of 350+/-5 °C for 3+/-0.5 seconds or 260+/-5 °C for 10+/-1 seconds
 Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 350+/-5 °C for 3+/-0.5 seconds.

Warranty

For a period of one (1) year from date of manufacture under normal operations
 * 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).
 **90% min. soldering pads shall be with solder.(except the edge of pad)

Dimensions (Unit:mm, Tolerance: +/-0.3mm)



CPB14B09-4.4R: without label CPB14B09-4.4-1R: washable version with label

All specifications are subject to change without notice.