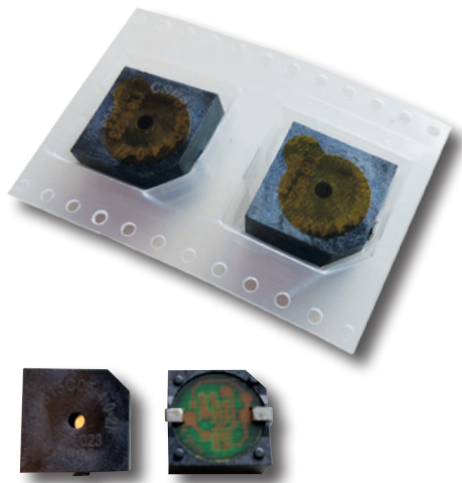
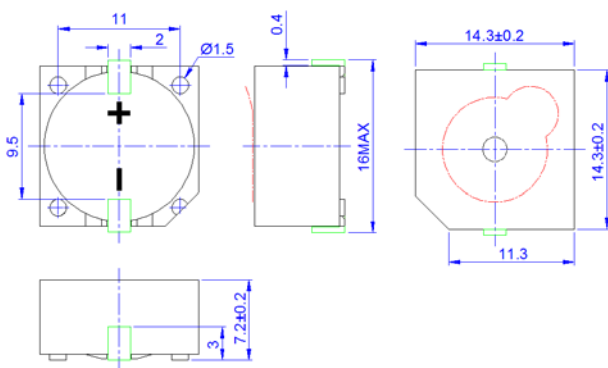


# REFLOWABLE PIEZO BUZZER WITH PEI-PROTECTION LABEL/CSPB15C05-4.0-2F



## DIMENSIONS (mm)



Following numerous customer requests for a piezoceramic SMD soundpart with a temperature resistant protection label, which can pass through the reflow soldering process as well, manufacturer Chinasound recently introduced their new product CSPB15C05-4.0-2F .

The technical speciality is that the „classic“ problem of „prisoned“ air inside the component, which tends to expand under the influence of high temperature, was technically solved in a unique and intelligent way, without the component becoming leaking. This way, the unwanted latent cracks of the ceramic element during reflow soldering process can be avoided and prevented effectively.

The new SMD sounder has the housing dimensions 14.3 mm × 14.3 mm × 7.2 mm and is designed for being driven with DC voltage in the range of 3~16 volts.

When applying the nominal voltage of 5VDC a loudness of at least 85 dB is generated (at 10 cm distance), whilst the current consumption is just 5 mA maximum.

The protection label is made of PEI and needs to be removed separately after reflow process, in order to let the sound pass through correctly.

This component is packaged in tapes according to EIA-481-2-A and comes on reels of 350 pcs each.

## FEATURES/TECHNICAL DATA

- » Reliable solid state piezoelectric technology
- » Corrosion resistant diaphragm
- » Flame retardant plastic UL 94-V0
- » Lead-free reflow solderable
- » RoHS compliant
- » Rated voltage: 5V<sub>DC</sub>
- » Operating voltage: 3V<sub>DC</sub> ... 16V<sub>DC</sub>
- » Operating frequency: 4000 Hz±500 Hz
- » Typical sound output: 85 dB min. (@ 5V<sub>DC</sub>, 10 cm, 25°C)
- » Typ. operating current: 5 mA max. @ 5V<sub>DC</sub>
- » Operating temperature: -40 °C ... +85 °C
- » Storage temperature: -40 °C ... +90 °C
- » Packaging: Taped on reel

## CHARACTERISTICS

