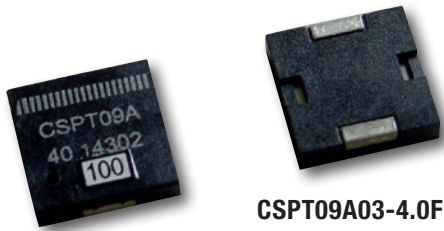
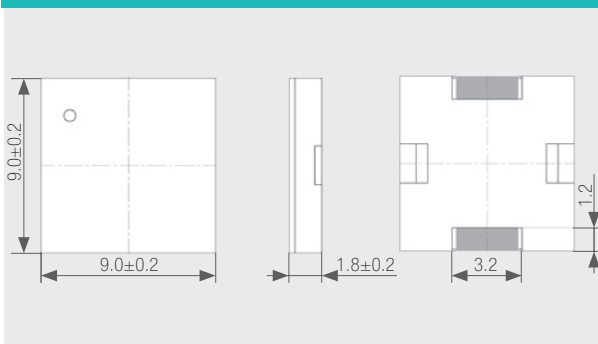


FLAT PIEZO CERAMIC SOUNDERS – SERIES CSPT09A03 (9×9×1.8 mm³)

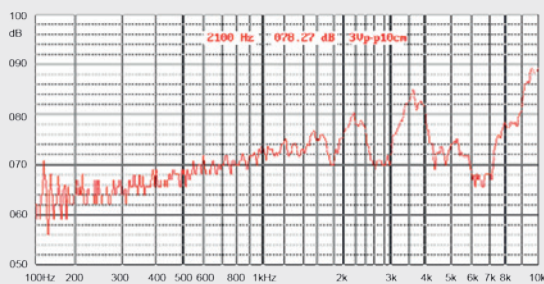


CSPT09A03-4.0F

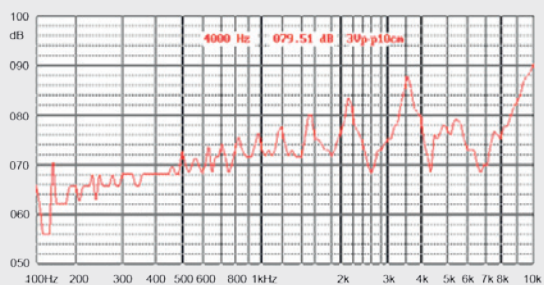
DIMENSIONS (mm)



FREQUENCY CHARACTERISTICS



CSPT09A03-2.1F



CSPT09A03-4.0F

From our manufacturer Changzhou Chinasound we have in our programme the innovative product series SMD-Piezo-Sounder (Transducer) with the housing dimensions 9 mm×9 mm×1.8 mm. There are two different types, each optimized for the reproduction of specific sound frequencies: one for nominal 4.0 kHz and one for 2.1 kHz.

At this point in time, these sound components series represents the smallest size available for piezoceramic sound components. The corresponding related part numbers are: CSPT09A03-4.0F and CSPT09A03-2.1F.

The frequency response curves provided by the manufacturer prove a good ability also for the reproduction of different frequencies, where still a well-noticeable sound will be generated by these components. Details are shown in the product data sheets.

In practical, these new 9×9 mm piezo transducers are generating sound pressure values, that are at least equal to the well-known and established 12×12 mm size components.

The current consumption is maximum 1mA, when driving the component at rated voltage (3V_{p-p}). These components are fully reflowable according to JEDEC standard J-STD-020D.

We strongly suppose that these component series is highly interesting for all customers who care on miniaturization of all components to a maximum extent.

FEATURES/TECHNICAL DATA

- » Currently, the smallest available piezo sounder
- » High reliability
- » Corrosion-resistant membrane
- » Flame-retardant housing
- » Lead free reflow solderable
- » Operating voltage: 20V_{D-P} max.
- » Resonant frequency: 4000 Hz±500 Hz
2100 Hz±500 Hz
- » Sound pressure level: 75 dB min. (@ 3V_{p-p}, 10 cm, resonant frequency)
- » Current consumption: 1 mA max. (@ 3V_{p-p})
- » Capacitance: 15000 pF ±30% (@ 100Hz, 1V_{rms})
- » Operating temperature: -40 °C ... +105 °C
- » Storage temperature: -40 °C ... +120 °C
- » Packaging: Taped on reel