

New Product Notification

Ceramic Resonators with enlarged temperature range for special applications

GEYER electronic has successfully extended the temperature range of the existing 12.99317, 3.2x 1.3 mm, 16 MHz resonator from industrial temperatures of 85°C up to 125°C.

The compact resonator with inbuilt capacitors completes the Geyer KX-ZTT CE MG product family and can be offered in applications where the emphasis is rather on mechanical robustness and effective pricing than on high precision.

Due to their technical characteristics, the resonators can be used in telecommunication devices, industrial applications, IoT projects, consumer goods.

Having built-in capacitors, resonators can be easily used for design-in projects. In this particular case, the temperature range of an existing application can be extended by using this new component, provided that all the other components also support the extended temperature range as well.

The Geyer KX-ZTT CE MG family shows following characteristics

- Frequency range from 8 to 16 MHz
- Frequency accuracy of 0,5% at 25°C
- Frequency stability of 0,2% to 0,3% depending on the temperature range
- Normal and industrial range from -40 to 85°C
- Extended temperatures until 125°C for special frequencies
- Standard 15pF inbuilt capacitors, or other values such as 10, 22, 30 or 33 pF
- Low ESR values of 40 Ohm max.

We would be happy to advise you on the use of this product in your application and support you with samples from stock.

You can find a summary of the technical parameters on our website and in our webshop:

<https://www.geyer-electronic.de/en/products/resonators/>

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