



Electronic Parts and Components

Press Release for the Media

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SAW components Higher sensitivity thanks to narrow tolerances

The new SAW resonators from EPCOS feature greatly reduced tolerance around the center frequency. Compared to predecessor types, it was narrowed down by 50 percent and is now only ± 25 kHz at 433.92 MHz. The components are mounted on a quartz substrate in hermetically sealed packages and have a footprint of 3 x 3 mm². The permissible operating temperature lies between -45 °C and +125 °C.

The first types of the R990 (433.92 MHz) and R991 (315 MHz) series are suitable for high-precision wireless transmitters in automotive electronic applications such as remote keyless entry and tire pressure monitoring systems as well as for many other applications in the ISM bands. This allows transmitters to be configured with very narrow bands, which both increases the sensitivity of the receivers and reduces their susceptibility to interference. It also enables greater transmission ranges. The resonators satisfy the requirements of AEC-Q200.

You can download the text of this press release and the related images from www.epcos.com/tradepress
Further information on this topic can be found at www.epcos.com/resonators1

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