



Press Release for the Trade Press

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SAW Filters: Smaller ceramic packages

EPCOS now offers SAW filters and two-port resonators as SMDs in ceramic packages on quartz substrate with a footprint of 3 x 3 mm. This represents a reduction in area of 40 % against the previous package's footprint of 3.8 x 3.8 mm and even 64 % for the two-port resonator, which used to measure 5 x 5 mm. Insertion height has also been reduced significantly, from 1.5 to 1.0 mm in the SAW filters and from 1.35 to 1.0 mm in the two-port resonators. This means that all SAW components for short-range devices are now available in a package with a footprint of 3 x 3 mm. The filters and resonators are available for the ISM (industrial, medical and scientific) band with center frequencies of 315, 433.92 and 915 MHz. Despite miniaturization, typical insertion loss is only 2.4 dB in the passband.

Typical applications include wireless headphones, garage door openers, access control systems, fire alarm systems or remote control systems for cranes or other machines. Thanks to their rugged hermetically sealed ceramic packages, these filters can be used in ambient temperatures ranging from -40 °C to +95 °C.

You can download the text of this press release and press photos from www.epcos.com/tradepress
Further information on the products presented here will be found at www.epcos.com/rke

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