

Abstracts

High frequency SAW devices

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This paper will discuss some of the technology approaches currently being pursued to extend the SAW device operating frequencies to the 1-6 GHz range. This range of frequencies has become commercially interesting in the past few years due to the large increase in wireless applications, especially cellular and mobile communications. This range of frequencies is challenging because it pushes the limits of the currently available technology implementations. In order to achieve the higher frequencies, research and development continues on the improvement of current SAW components and the development of new structures, examining new types of wave propagation, and exploring new materials.

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