

Abstracts

Compact 900 MHz Hairpin-Line Filters Using High Dielectric Constant Microstrip Line

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Several miniature bandpass filters have been developed by accurate modelling of experimental and computer generated coupling data of hairpin-line microstrip line resonators on high-K ($K=80$ to 90) substrates. The materials are temperature stable and of high quality factor. The experimental results show some novelty of the design approach. The method is useful in realizing planar filters for cellular radio and global positioning systems, and superconducting microstrip filters.

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