MULTI-BAND INTERDIGITAL ACTIVE BANDPASS FILTER

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MULTILAYER INTERDIGITAL-HAIRPIN BANDPASS FILTER

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ABSTRACT

In this paper a multilayer interdigital-hairpin bandpass filter is proposed. The frequencies of this filter is in the range of 2.52 – 2.65 GHz and it is for digital broadcasting. This structure should reduce the size of the filters compare to single layer filters. The coupling between the resonators in the two layers is achieved via a hole etched on a common ground plane located between the layers. In this paper, fourth order interdigital-hairpin bandpass filters are introduced.

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