

Abstracts

The Resonant Frequency of Rectangular Interdigital Filter Elements (Short Papers)

J.H. Cloete. "The Resonant Frequency of Rectangular Interdigital Filter Elements (Short Papers)." 1983 Transactions on Microwave Theory and Techniques 31.9 (Sep. 1983, Part I [T-MTT]): 772-774.

A procedure is given for the computation of the resonant frequency of loosely coupled interdigital resonators with rectangular cross section. The procedure is based on the use of Getsinger's fringing capacitance data. The accuracy of the method was verified experimentally and found to be approximately 1 percent for a 2-percent bandwidth interdigital linear-phase filter.

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