Abstracts

Cut-Off Space of Cloverleaf Resonators with Electric and Magnetic Walls

J. Helszajn and D.J. Lynch. "Cut-Off Space of Cloverleaf Resonators with Electric and Magnetic Walls." 1992 Transactions on Microwave Theory and Techniques 40.8 (Aug. 1992 [T-MTT]): 1620-1629.

A planar resonator that has the symmetry of a junction circulator is the cloverleaf one. The purpose of this paper is to describe the isotropic cut-off space of this class of resonator using the finite element approach. Circuits with 3 and 4-fold symmetries and with a magnetic or an electric sidewall are separately dealt with. Standing-wave solutions are included for completeness. The gyromagnetic problem is separately investigated.

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