

Abstracts

Resonant Frequency Stability of the Dielectric Resonator on a Dielectric Substrate

T. Higashi and T. Makino. "Resonant Frequency Stability of the Dielectric Resonator on a Dielectric Substrate." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1048-1052.

A simple approximate method for predicting the resonant frequencies of TE modes of dielectric resonators is developed. By using this method, an analytical expression is derived for the resonant frequency stability of the dielectric resonator on a dielectric substrate, and the effect of the substrate on the stability is studied. The result is useful when the high-frequency stability is required.

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