Abstracts

Resonant Frequency Stability Analysis of Dielectric Resonators with Tuning Mechanisms

F. Hernandez-Gil, R. Perez-Leal and A. Gebauer. "Resonant Frequency Stability Analysis of Dielectric Resonators with Tuning Mechanisms." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 345-348.

The Finite Element Method is applied to calculate the resonant frequency stability and the quality factor of dielectric resonators with tuning mechanisms. The resonant frequency temperature dependence is studied as a function of the tuning. Results for with metal cylindrical and ring resonators tuned and dielectric screws are included.

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