

Abstracts

Dielectric Resonators Suitable for Use in Planar Integrated Circuits at Short Millimeter Wavelengths (Short Papers)

X.H. Jiao, P. Guillon, P. Auxemery and D. Cros. "Dielectric Resonators Suitable for Use in Planar Integrated Circuits at Short Millimeter Wavelengths (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.2 (Feb. 1989 [T-MTT] (Special Issue on Quasi-Planar Millimeter-Wave Components and Subsystems)): 432-437.

This paper presents new experimental results of planar whispering gallery mode dielectric resonators. The three-dimensional field patterns obtained by using finite element techniques as well as measured resonant frequencies and quality factors carried out in the Ka (26.5-40 GHz) and 90-100 GHz bands are presented. The application to millimeter-wave components is also dealt with.

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