

# Abstracts

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

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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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