

# Abstracts

## Coupling Coefficient Between Microstrip Line and Dielectric Resonator

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*Y. Komatsu and Y. Murakami. "Coupling Coefficient Between Microstrip Line and Dielectric Resonator." 1983 Transactions on Microwave Theory and Techniques 31.1 (Jan. 1983 [T-MTT] (Joint Special Issue on Monolithic Microwave IC's)): 34-40.*

A formula of the coupling coefficient between a dielectric resonator and a microstrip line is derived from an analysis of the transmission characteristics of the microstrip line coupled to the dielectric resonator. A practical method of calculation is developed using Fourier analysis. The calculated values show good agreement with the experimental values.

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