

Abstracts

A Coplanar Waveguide with Thick Metal-Coating (Short Papers)

T. Kitazawa, Y. Hayashi and M. Suzuki. "A Coplanar Waveguide with Thick Metal-Coating (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.9 (Sep. 1976 [T-MTT]): 604-608.

A theoretical method is presented for the analysis of a coplanar waveguide, with thick metal-coating. Numerical results are given and compared with published data. It is shown that the metal-coating thickness of the coplanar waveguide causes an increase in wavelength and a decrease in characteristic impedance and that the changes are about the same as those of a slot line.

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