Abstracts

Finite-Element Analysis of Slow-Wave Schottky Contact Printed Lines

C.-K. Tzuang and T. Itoh. "Finite-Element Analysis of Slow-Wave Schottky Contact Printed Lines." 1986 Transactions on Microwave Theory and Techniques 34.12 (Dec. 1986 [T-MTT] (1986 Symposium Issue)): 1483-1489.

Extensive finite-element analyses on MMIC slow-wave structures with both Iocalized and layered models are presented. Good agreement is achieved between the data presented here and other theoretical results and experiments. Higher order elements that improve accuracy are discussed. The comparative studies for Schottky contact microstrip and coplanar waveguide with Iocalized and layered models are presented. Potential applications of the Iocalized models to more general and practical slow-wave circuits are also discussed.

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