Abstracts

Conductor Loss Computation in Multiconductor MIC's by Transverse Resonance Technique and Modified Perturbational Method

F. Alessandri, G. Baini, G. D'Inzeo and R. Sorrentino. "Conductor Loss Computation in Multiconductor MIC's by Transverse Resonance Technique and Modified Perturbational Method." 1992 Microwave and Guided Wave Letters 2.6 (Jun. 1992 [MGWL]): 250-252.

Rigorous computation of conductor loss in MMIC's transmission lines requires high computer expenditures, while conventional approaches become invalid for thin line conductors. Using a modified perturbational method, originally proposed by Horton et al., in conjunction with the generalized transverse resonance technique, very accurate results are obtained with relatively modest computer effort.

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