Abstracts

Computation of External Circuit Impedance of Active Devices in a Millimeter Wave Harmonic Power Combiner (Short Papers)

J. Ge. "Computation of External Circuit Impedance of Active Devices in a Millimeter Wave Harmonic Power Combiner (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.5 (May 1994 [T-MTT]): 910-914.

In this note, the external circuit impedance looking outside from two active devices, which are abreast mounted in the rectangular waveguide cavity of a millimeter wave harmonic power combiner, are analyzed and computed by strict field analysis method and the technique uniting Galerkin method with Collocation method. The numerical results are very useful to design the millimeter wave harmonic power combiner and develop its CAD.

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