

Analysis of Uniplanar Resonator Using a Wave Concept Iterative Method W.C.I.P.

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A global modeling of uniplanar resonator is presented. The analysis is achieved by using an iterative method based on the wave concept W.C.I.P.. Two techniques of excitations are used to initialize the iterative process. The analysis procedure is described, and S parameters show good agreement with published data. This approach is successfully applied to many problems for microwave and high speed integrated circuit CAD software.