

# Abstracts

## The Synthesis of Passive Circuits Using the FDTD

*R.C. Tupynamba and A.S. Omar. "The Synthesis of Passive Circuits Using the FDTD." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 749-752.*

An optimization procedure for the synthesis of passive circuits is presented. This procedure uses an FDTD code for the circuit analysis. The versatility of the FDTD allows the calculation of the circuit as a whole, with considering all discontinuities and interactions between the parts of the structure. The result is a powerful software package capable of producing an accurate circuit design.

[Return to main document.](#)