

Abstracts

A Novel Aperture Coupled Microstrip "Magic-T"

*M.W. Katsume, Y.M.M. Antar, A. Ittipiboon and M. Cuhaci. "A Novel Aperture Coupled Microstrip "Magic-T"." 1992 *Microwave and Guided Wave Letters* 2.6 (Jun. 1992 [MGWL]): 245-246.*

A novel "Magic-T" type constructed in microstrip technology using aperture coupling is proposed and investigated. The goal is to obtain optimum coupling, phase, and isolation characteristics over a certain bandwidth for its future use in planar multilayer microwave integrated circuit applications. Preliminary results are presented and they successfully demonstrate the concept and show good agreement between theory and measurements.

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