

Abstracts

Double-Sided MIC's and Their Applications

M. Aikawa and H. Ogawa. "Double-Sided MIC's and Their Applications." 1989 Transactions on Microwave Theory and Techniques 37.2 (Feb. 1989 [T-MTT] (Special Issue on Quasi-Planar Millimeter-Wave Components and Subsystems)): 406-413.

This paper presents the basic concept and features of double-sided microwave integrated circuits (double-sided MIC's), which effectively utilize various kinds of transmission lines on both sides of a substrate. The fundamental circuits such as 180° hybrids (magic T's) and many application circuits described in this paper are very useful in developing microwave and millimeter-wave band equipment. The concept of doublesided MIC technique can be also applied to MMIC's.

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