

Abstracts

Practical Design of Uniplanar Broadband Subsystems Application to a Wideband Hybrid Magic Tee

K. Hettak, J.P. Coupez, A. Sheta, T. Le Gouguec and S. Toutain. "Practical Design of Uniplanar Broadband Subsystems Application to a Wideband Hybrid Magic Tee." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 915-918.

This paper presents some aspects of the practical design of uniplanar broadband systems. This design uses concurrently, a physical approach and usual CAD software which are applied to the design of a wideband hybrid magic tee. High directivity and a good balance between the coupled arms are obtained on a 4GHz-16GHz bandwidth. The experimental results are in good agreement with theoretical ones.

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