

Abstracts

Broadband design consideration of uniplanar double-Y baluns for hybrid and monolithic integrated circuits

Huifang Gu and Ke Wu. "Broadband design consideration of uniplanar double-Y baluns for hybrid and monolithic integrated circuits." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 863-866 vol.3.

A network technique is developed for broadband design for performance improvement of a class of uniplanar double-Y baluns on the basis of coplanar waveguide, slotline and coplanar stripline (CPS). The developed simple technique allows for efficient optimization and broadband consideration for CPW-slotline and CPW-CPS double-Y baluns. Calculated and measured results in our work show that a flat frequency response can easily be obtained over a very broadband.

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