

Abstracts

A Broadband, High Directivity 3 dB Coupler Using Coplanar Waveguide Technology

E. Rius, T. Le Gouguec, K. Hettak, J.P. Coupez and S. Toutain. "A Broadband, High Directivity 3 dB Coupler Using Coplanar Waveguide Technology." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 671-674.

We propose to design high directivity-high level couplers using coplanar waveguide technology. This allows geometrical parameters to be chosen to design 3 dB couplers while limiting the difference between the phase velocities of the normal modes in order to obtain higher directivity. A 40% bandwidth, 30 dB directivity 3 dB coupler is achieved.

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