

Abstracts

Variable Coupling Directional Couplers Using Varactor Diodes

S. Toyoda. "Variable Coupling Directional Couplers Using Varactor Diodes." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 419-421.

A microstrip variable coupling directional couplers for 4 GHz band have been proposed and tested. By changing the junction capacitances of the varactor diodes, the coupling varies from 4 dB to 20 dB, and the directivity varies from 16 dB to 29 dB. Available frequency range is from 2.7 GHz to 5.3 GHz.

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