

Abstracts

Wide-Band High Directivity in MIC Proximity Couplers by Planar Means

F.C. de Ronde. "Wide-Band High Directivity in MIC Proximity Couplers by Planar Means." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 480-482.

A simple semi-empirical design method has been developed for serpentine -improved wiggling- and slotting of proximity couplers. Phase equalization of even-and odd mode resulted in 40 dB isolation from 2-8 GHz for 25 mil alumina couplers between -6 and -25 dB. Coupling values were within 1 dB with experimental ones.

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