

Abstracts

Recent Developments in Broadband Directional Couplers on Microstrip

F.C. de Ronde. "Recent Developments in Broadband Directional Couplers on Microstrip." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 215-217.

Introduction of lumped elements in the microstrip itself proved to be a rather simple way to overcome the difficulties encountered by achieving tight coupling (3 dB) and high directivity (>20 dB) for proximity couplers on plain microstrip. Three couplers were made as proof; two 3 dB proximity couplers: a distributed-lumped and an octave-flat lumped one, and a 8.34 dB decade-wide asymmetric coupler of the DuHamel & Armstrong type. It is evident that application of the new technique is not restricted to couplers.

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