

Abstracts

A High Directivity Microstrip Coupler Technique

A. Podell. "A High Directivity Microstrip Coupler Technique." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 33-36.

Typically loosely coupled backward wave microstrip couplers have directivities which decrease with increasing frequency. High directivity becomes more difficult to obtain as the coupling is loosened. The problem appears to be that the propagating velocities of the odd and even modes are not equal. This paper deals with a technique which equalizes these velocities up to an arbitrarily high frequency.

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