

Abstracts

A New Class of Microstrip Directional Couplers

F.C. de Ronde. "A New Class of Microstrip Directional Couplers." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 184-189.

By using Cohn's slotline in combination with a microstrip, simple 90° as well as 180° directional couplers of any coupling value can be made. As examples an ultra flat 10 db coupler for 1 - 12 GHz, an octave wide (2 - 4 GHz) magic tee and an almost lumped proximity coupler for 2 - 8 GHz (all on alumina substrate) have been made.

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