

Abstracts

Re-Entrant Directional Couplers having Direct Coupled Center Conductors (Correspondence)

E.G. Cristal. "Re-Entrant Directional Couplers having Direct Coupled Center Conductors (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.4 (Apr. 1966 [T-MTT]): 207-208.

The re-entrant coaxial coupler and its strip transmission line equivalent are shown in Figs. 1 and 2, respectively. In both configurations, no direct coupling between center conductors exist. The purpose of this communication is to point out that if direct coupling between center conductors is permitted, the required value of Z_{01} is reduced (see Figs. 1 and 2), thus often permitting easier realization of the coupler than would otherwise be the case.

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