

Abstracts

Design of Combline and Interdigital Filters with Tapped-Line Input (Short Papers)

S. Caspi and J. Adelman. "Design of Combline and Interdigital Filters with Tapped-Line Input (Short Papers)." 1988 *Transactions on Microwave Theory and Techniques* 36.4 (Apr. 1988 [T-MTT]): 759-763.

Explicit design-equations for combline and interdigital filters with tapped-line inputs are presented. The equations are based upon a new equivalent circuit for a tapped-line input filter, derived from the open-wireline equivalent circuit given by Cristal. Using the new equivalent circuit, explicit expressions are given for all parameters of the circuit. The derivation of the design equations from the equivalent circuit is similar to that described by Matthaei et al. The design equations are checked by an analysis program. The results are compared to the data given by Dishal and Cristal.

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