

Abstracts

The Compensation of Step Discontinuities in TEM-Mode Transmission Lines

J.A.G. Malherbe and A.F. Steyn. "The Compensation of Step Discontinuities in TEM-Mode Transmission Lines." 1978 *Transactions on Microwave Theory and Techniques* 26.11 (Nov. 1978 [T-MTT]): 883-885.

A method for the compensation of the effects due to discontinuities that arise when transmission lines of different characteristic impedance are joined is presented. The proposed method is not based calculating the equivalent circuit of the discontinuity but makes use of simple taper on the wider line at an impedance step to remove the effects of the discontinuity.

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