

Abstracts

Circuit Design of the Loaded-Line Phase Shifter

H.A. Atwater. "Circuit Design of the Loaded-Line Phase Shifter." 1985 Transactions on Microwave Theory and Techniques 33.7 (Jul. 1985 [T-MTT]): 626-634.

Circuit design procedures for the loaded-line phase shifter are presented, utilizing a phasor diagram representation of the line to identify its loading modes. The effects of losses in the loading elements on the circuit parameters are determined and design factors affecting bandwidth are discussed.

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