

عنوان مقاله:

Fully Distributed Analysis of an Improved Single Pole Single Throw Traveling Wave Switches

محل انتشار:

بیست و یکمین کنفرانس مهندسی برق ایران (سال: 1392)

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خلاصه مقاله:

In this paper, a lossy transmission line model of single pole single throw traveling wave switch is introduced and fully distributed analysis of this structure is presented. The common SPST switches behave as short or open circuit in off state and reflect a high ratio of signal. A structure of SPST switches is proposed to improve returnloss in off state. The semi distributed and fully distributed analysis of common and improved structure of SPST switches are done and compared and the results show improvement of matching in off state

کلمات کلیدی:

Single pole single throw switch (SPDT), fullydistributed model, traveling wave switch (TWSW), lossy transmission line model

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