

Abstracts

Varactor-Tuned Lumped-Element Circulators (Correspondence)

J. Halszajn, D. Walker and F.M. Aitken. "Varactor-Tuned Lumped-Element Circulators (Correspondence)." 1971 Transactions on Microwave Theory and Techniques 19.10 (Oct. 1971 [T-MTT]): 825-826.

In the case of lumped-element circulators, the center frequency of the device can be tuned by altering the lumped capacitance only. It is the purpose of this paper to describe a new voltage-tuned circulator which is obtained by replacing the usual lumped capacitances by varactor diodes. Such a circulator has been tuned over an octave band from 250 to 500 MHz.

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