

Abstracts

Broad-Banding and Changing Operation Frequency of Circulator

Y. Naito and N. Tanaka. "Broad-Banding and Changing Operation Frequency of Circulator." 1971 *Transactions on Microwave Theory and Techniques* 19.4 (Apr. 1971 [T-MTT]): 367-372.

Broad-banding of a circulator and changing of operation frequency of a lumped-element circulator are discussed. The point of broad-banding is to represent the circulator in a distributed element equivalent circuit. The improvement of the relative bandwidth was between 10 and 20 percent. The point of changing of operation frequency is to use a variable capacitance diode instead of a fixed one. The result is that the operating frequency changed from 120 to 220 MHz with a bias voltage change from 2 to 10 V.

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