

Abstracts

The Harmonics Produced by a PIN Diode in a Microwave Switching Application (Correspondence)

H. Mott and D.N. McQuiddy, Jr.. "The Harmonics Produced by a PIN Diode in a Microwave Switching Application (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.3 (Mar. 1967 [T-MTT]): 180-181.

The advantages of using semiconductor diodes to control power flow in microwave transmission lines, in such applications as phase shifting and array beam selecting, are well known. Less well known, however, is the extent to which the nonlinear characteristics of these devices cause the generation of harmonic signals.

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