

Abstracts

Microwave Oscillator Analysis (Short Papers)

A.P.S. Khanna and J. Obregon. "Microwave Oscillator Analysis (Short Papers)." 1981

Transactions on Microwave Theory and Techniques 29.6 (Jun. 1981, Part I [T-MTT]): 606-607.

In this paper a generalized oscillation condition for an n-port active device has been presented in terms of its S-parameter matrix and that of the embedding network of the oscillator circuit. The corresponding condition using Z or Y matrices has also been shown. Verification of the proposed theory for a typical two-port and a three-port oscillator network is presented.

[Return to main document.](#)

Click on title for a complete paper.