

Abstracts

Planar Radial Resonator Oscillator

M. Dydyk. "Planar Radial Resonator Oscillator." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 167-168.

The input and output coupling coefficients associated with planar radial resonator oscillator having two degrees of freedom are derived. It is shown, that (a) the input coupling coefficient can be controlled by the separation between the centers of the radial disk resonator and the active device and (b) the output coupling coefficient is controlled by the amount of overlap between the radial disk resonator and the inner conductor of the microstrip transmission media.

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