

Abstracts

Parallel Running System of Three Oscillators Coupled Through a Six-Port Magic Junction

I. Ohta and T. Kaneko. "Parallel Running System of Three Oscillators Coupled Through a Six-Port Magic Junction." 1989 Transactions on Microwave Theory and Techniques 37.11 (Nov. 1989 [T-MTT]): 1699-1707.

This paper treats parallel running systems of three oscillators symmetrically coupled to one another through a six-port magic junction and closely examines two systems for power combining. One system delivers a combined power to the coaxial arm, the other to a circular waveguide in the form of a circular polarization. The former is marked by its easy adjustability and simple structure and the latter by its output form and the electrical switch of the direction of rotation of circular polarization. Experimental verification for the two power-combining systems is presented.

 [Return to main document.](#)