

Abstracts

A Symmetrical, Distributed Constant Circulator

R.W. Roberts. "A Symmetrical, Distributed Constant Circulator." 1964 PTGMTT International Symposium Program and Digest 64.1 (1964 [MWSYM]): 65-68.

Ferrite circulators that have been built in the past fall into two categories: non-symmetrical, distributed-parameter type, such as the Faraday rotation and differential phase shift circulators; and the symmetrical, abrupt discontinuity type, such as the "Wye" junction circulator. This paper describes a third type, which has both the properties of symmetry and a distributed interaction region. As such, it is believed that this type of circulator has potential for quite large bandwidths.

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