

Abstracts

A Nonreciprocal Circular Polarizer (Comments)

M.L. Reuss, Jr.. "A Nonreciprocal Circular Polarizer (Comments)." 1968 Transactions on Microwave Theory and Techniques 19.2 (Feb. 1968 [T-MTT]): 136-136.

In a recent paper, the author described two models of a nonreciprocal circular polarizer. The second model was a two-stage device in which the second stage provided a refinement of the approximate circular polarization produced by the first stage. The device used for this purpose consisted of a circular waveguide with a ferrite rod along its axis, so dimensioned that one sense of circular polarization could propagate but not the other. It has been called to the author's attention that a theoretical basis for such a device was provided in a series of papers by Waldron. Furthermore, a patent embodying the application of this principle was obtained by him.

 [Return to main document.](#)