

Abstracts

Microwave Ferrite Dual-Mode Polarization Technology

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Both nonreciprocal birefringent effect and variable polarization effect of microwave ferrite materials are discussed in the light of coupling wave theory, and with the help of these effects, a new type of dual-mode ferrite fast-speed variable polarizer is developed. On the other hand, the corresponding optimal magnetization field distribution (OMFD) is researched and numerically calculated, and the analog-test is also done.

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