

Abstracts

Microwave Ferrite Dual-Mode Polarization Technology

X. Yiwei, J. Renpei and L. Shigen. "Microwave Ferrite Dual-Mode Polarization Technology." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 415-418.

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.

[Return to main document.](#)

Click on title for a complete paper.