Abstracts

First-Order Bragg Interactions in a Gyromagnetic-Dielectric Waveguide (Short Papers)

M. Tsutsumi. "First-Order Bragg Interactions in a Gyromagnetic-Dielectric Waveguide (Short Papers)." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1111-1114.

First-order Bragg interactions in a gyromagnetic-dielectric waveguide are investigated theoretically. With the aid of a singular perturbation procedure the coupled mode equations governing the nature of transverse electric wave interactions are derived. Bragg reflection characteristics are shown numerically as a function of the magnetic field.

❑ Return to main document.