

Abstracts

Experiment on Light Intensity Modulation Based on Guided-to-Radiation Mode Coupling in Hetero-Structure Thin Film Waveguide

H. Onodera, I. Awai, M. Nakajima and J. Ikenoue. "Experiment on Light Intensity Modulation Based on Guided-to-Radiation Mode Coupling in Hetero-Structure Thin Film Waveguide." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 525-527.

Coupling of TE₀ guided mode to TM radiation mode is controlled by a modulation signal applied to coplanar electrodes. Almost 30dB/cm of modulation efficiency at 0.6328μm wavelength has been obtained using a Nb₂O₅-LiTaO₃ planar waveguide with modulation voltage 350V and electrodes gap 55μm.

[Return to main document.](#)