

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

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Coupling of TE/sub 0/ guided mode to TM radiation mode is controled by a modulation signal applied to coplanar electrodes. Almost 30dB/cm of modulation efficiency at 0.6328 μ m wavelength has been obtained using a Nb/sub 2/O/sub 5/-LiTaO/sub 3/ planar waveguide with modulation voltage 350V and electrodes gap 55 μ m.

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