

Abstracts

Velocity-Matched LiNbO₃/ Waveguide Optical Modulator Using Inverted Slot Line

T. Yoneyama, K. Niinuma and S. Kanno. "Velocity-Matched LiNbO₃/ Waveguide Optical Modulator Using Inverted Slot Line." 1991 Microwave and Guided Wave Letters 1.8 (Aug. 1991 [MGWL]): 192-194.

An inverted slot line (ISL) was used to achieve velocity matching in a Ti-diffused LiNbO₃/ waveguide optical modulator. Phase modulation of 1.38 radian could be observed at an optical wavelength of 0.63 μm with 100 mW microwave power around 10 GHz. This ISL optical modulator is expected to operate at millimeter wavelengths.

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