

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 μ m with 100 mW microwave power around 10 GHz. This ISL optical modulator is expected to operate at millimeter wavelengths.

[Return to main document.](#)