Extinction Ratio Intensity Modulator

The high sensitivity of our technique was used to resolve the detailed impact of a 23-dB extinction ratio on the chirp of a Mach-Zehnder modulator. Un-like some previous methods, a monochromator or ...

Here we present an integrated thin-film lithium niobate electro-optic modulator operating in the C-band, which uses a subsequent periodically poled waveguide to convert the modulated ...

MXER-LN series intensity modulators are key devices in all applications where a combination of high extinction and high bandwidth is required: laser pulse picking prior optical amplification, pulse ...

The MXER-LN series of intensity modulators is a family of high performance modulators exhibiting superior Extinction Ratio. Their specific design relies on Photline Technologies "Magic Junction" ...

In this document, we will describe the procedure for determining the modulation response using the effective index of the waveguide. The effective index can be determined as a function of applied bias ...

The Si optical modulator equipped with simple, compact, and low-loss integrated polarizers has a high extinction ratio and characteristics comparable to those of LNs and ...

In this paper, we propose a cascaded Mach-Zehnder interference (MZI) structure to improve the extinction ratio (ER) of the modulator in the mid-infrared band. The cascaded ...

In this paper, effects of chirp parameter and finite extinction ratio of intensity modulators on the performance of chromatic dispersion-based MWP IFM receivers are theoretically investigated.

What does the extinction ratio of a modulator mean? The extinction ratio is the ratio of the maximum to the minimum achievable output power, often specified in decibels.

Characterize Extinction Ratio and Operating Points Description the difference between the on- and off-state of the MZM. The right plot shows the intensity a d amplitude transfer function of a MZM in push ...

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