

Recent advances in opto-electronics and electro-optics have opened the infrared and visible part of the electromagnetic spectrum for

Rectangular dielectric Waveguide: Channel/rectangular waveguides are the most commonly used non-planar

Planar optical waveguides formed by ion-exchange in glass are sensitive to changes in parameters such as:

This chapter presents an introduction to the optical waveguides including planar and nonplanar structures.

Optical Waveguide Technology and Applications encompasses both fundamental theory and engineering applications, appealing to a

Optical waveguides are used as components in integrated optical circuits or as the transmission medium in local and long-haul

Planar Waveguides Waveguides formed on a flat substrate are called planar waveguides. These are typically made by stepwise

Brief physical fundamentals with explicit design methods and representative applications for meta-waveguides are

Abstract The planar diffractive waveguide is widely adopted in optical see-through head-mounted displays in the field of

Since the remarkable revolution in fiber optic technology in 1970s, optical fibers evolved from an optical transmission

Planar lightwave circuits (PLCs) are waveguide devices that integrate fiber-matched optical waveguides on silicon or glass substrate

Integrated optical sensors that depend on planar waveguides are often used in sensing applications Integrated optics find numerous

Planar optical waveguides are the input devices to build an integrated optical sensor. This chapter provides review

Optical waveguides are a foundational technology for efficiently controlling and propagating light. This article organizes and explains,

Abstract Planar lightwave circuits (PLCs) provide various important devices for optical WDM, TDM systems, subscriber networks and

The fifteen papers in this special issue focus on ultra low loss planar waveguides and the applications. Ultra-low loss

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