

In this paper, we propose a one-dimensional polarization beam splitting grating under normal incidence with excellent polarization characteristics and a high diffraction efficiency. The main ...

Experimental results reveal an optical bandwidth of 160 nm (1285-1360 nm and 1500-1585 nm) with extinction ratio ER $>$ 20 dB, and a narrower bandwidth of 120 nm with ER $>$ 30 ...

The GIRO grating is a simple binary diffraction grating with parameters chosen such that the excited optical modes in the grating interfere constructively and destructively at the respective interfaces.

In this paper, we propose a one-dimensional polarization beam splitting grating under normal incidence with excellent polarization characteristics ...

In this paper, we report on a two-dimensional (2D) reflective grating with excellent polarization selectivity and high diffraction efficiency (DE). Based on silver cylindrical nano arrays, ...

In this paper, a novel dual-functional grating beam splitter is presented, designed to exhibit unique diffraction characteristics for transverse electric (TE) and transverse magnetic (TM) ...

We present an extensive study of an ultra-compact grating-based beam splitter suitable for photonic integrated circuits (PICs) which have stringent density requirements.

This work overcomes fundamental limitations in the field of view of beam-steering integrated optical phased arrays by developing integrated optical antennas that reduce crosstalk ...

A polarization beam splitter (PBS) is key for building polarization-diversity systems in optical communication networks. Here, we propose a compact and easy-to-fabricate PBS based on a ...

In this work, a reflective beam splitter based on a metallic lamellar Ronchi diffraction grating is design and analysed. Scalar and rigorous approaches are used to analysed the proposed gratings showing ...

In this paper, a trans-reflective polarization beam splitter based on grating with binary sub-wavelength structures is proposed. The ridges or grooves can be etched directly on the ...



Experimental data of beam splitter grating

Web: <https://maxtools.co.za>

