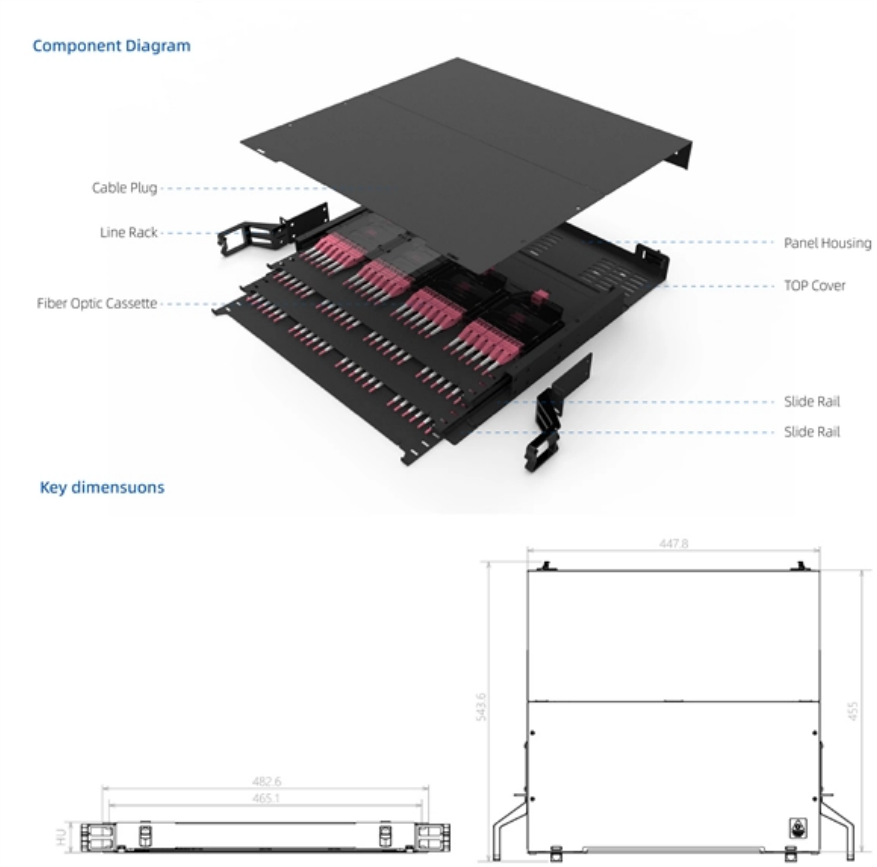
ZTP Thermal & Power

Experimental Data Table of Beam Splitter Grating



Experimental Data Table of Beam Splitter Grating

Optimization design of polarizing beam splitter based on metal

In this paper, a reflecting polarizing beam splitter (RPBS) with a metal-multilayer dielectric grating (MMDG) structure is designed by using a genetic algorithm and the Fourier mode method.

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Design of a 50/50 splitting ratio non-polarizing beam splitter based on

The optical design of a beam splitter that has a 50/50 splitting ratio regardless of the polarization is presented. The non-polarizing beam splitter (NPBS) is based on the fused-silica

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High-Performance Polarization Beam Splitter Based on Shape

The PBS integrates a shape-optimized reflective polarizer based on anti-symmetric Bragg gratings with a mode demultiplexer realized through an inverse-designed adiabatic coupler.

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High-efficiency three-port beam splitter under normal

For a given set of optimized parameters, a transmitted three-port grating with an area of 170 m m × 170 m m was fabricated by scanning beam

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coated grating beam splitters with 1000 lines/mm are

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Polarizing beam splitter based on a double-layer subwavelength grating

A Si-ZnS double-layer subwavelength grating is theoretically used as a high-efficient polarizing beam splitter. To design this structure, the rigorous coupled-wave analysis (RCWA) is

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Polarization-Independent Two-Layer Grating With Five-Port Splitting

Although they could obtain high diffraction efficiency for TE or TM polarization, it requires more complicated and time-consuming fabrication processes in practical grating applications. Thus,

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To properly design a THz-TDS experimental setup for each specific purpose, it is important to obtain an overview of the different timescales involved

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Grating beam splitting with liquid crystal adaptive optics

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Schematic illustration of a dual-function beam splitter

We present the design and fabrication of a novel dual-function subwavelength fused-

silica grating that can be used as a polarization-selective beam splitter. For TM

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Double-structure, bidirectional and polarization-independent

In this paper, we theoretically investigated polarization-independent subwavelength binary blazed grating beam splitter, which consists of double symmetrical grating structure. A signal

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We propose models of periodic and aperiodic coatings based on a combination of characterizations and compare rigorous coupled-wave analysis (RCWA)

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The calculation, fabrication and verification of diffraction grating

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Research on vector optimization of laser beam splitter grating

Large angle beam splitter grating is an important optical element but the current design methods are mostly based on the scalar diffraction theory based on Thin Element Approximation

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Two-output beam splitter with continuously adjustable splitting ratio

In this paper, a new type of diffractive optical beam splitter, which is based on phase grating, is fabricated with binary optical technique and studied theoretically and experimentally. This

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Dual-functional grating splitter with high efficiency at the second

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)

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Design of double-layer metal-dielectric reflecting polarizing beam

Abstract In this paper, the simplified mode method (SMM) is applied to guide the design of a reflecting polarizing beam splitter (RPBS) grating based on multilayer metal-dielectric structure for

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Compact Beam Splitters with Deep Gratings for Miniature Photonic

The simulated and experimental data of extinction ratios are also shown in Table 1 and Table 2. We can easily see that the case of Lg = 10 m has the greatest extinction ratio among all three grating lengths

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Optimization method of phase-shift structure for polarization beam-splitter

Abstract: A polarization beam splitter based on subwavelength grating is theoretically analyzed. The design methods of phase-shift structure are given to split the TE and TM polarized waves, the

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Diffraction grating polarization beam splitter using nano

The waveguides are arranged in such a way that the effective density of lines of the grating for the horizontal polarization is different from that for the vertical polarization. This allows separating the two

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Dual-functional grating splitter with high efficiency at the second

The purpose of this research was to design and evaluate a novel grating beam splitter, capable of achieving polar-ization-selective high diffraction efficiency.

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We describe a novel reflection three-port beam splitter by a microstructure grating,

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(PDF) A wide-angle electron grating bi-prism beam splitter

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Transmission Grating Beamsplitters

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