

## Intelligent Low-Voltage Beam Splitter



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We demonstrate a low loss silicon-integrated polarization beam splitter with by using an efficient semi-inverse design approach. It has more compact footprint w.



In this study, we have pioneered the application of LLMs to the inverse design of nanophotonic devices, demonstrating their transformative potential through the creation of an ultra ...



experimentally realize an electrically reconfigurable beam splitter with arbitrary splitting-ratio. The device is based o a silicon rib-waveguide directional coupler upon which a thin  $Sb_2Se_3$  layer is precisely ...



Shanghai Optics manufactures a wide range of high-quality beamsplitters optimized for different applications. Our selection includes plate and cube designs, offering polarizing, non-polarizing, and ...



Beamsplitters are optical components used to split input light into two separate parts. Beamsplitters are common components in laser or illumination systems. Beamsplitters are also ideal for fluorescence ...



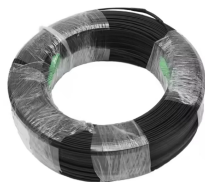
We propose a compact, high extinction ratio, and low-loss polarization beam splitter (PBS) on a lithium-niobate-on-insulator (LNOI) platform, based on an asymmetrical directional ...



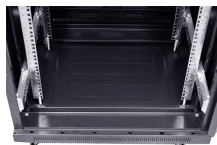
In this work, we demonstrate an ultracompact, ultrahigh efficiency, polarization independent and ultrabroadband power splitter using an array of amorphous-Si metasurface nanorods superimposed ...



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In chip-integrated optical circuits, the polarization beam splitter (PBS) is one of the core elements that separates TE/TM modes and transmits them to different ports. We designed an ...



We propose a compact, broadband, and low-loss polarization beam splitter (PBS) based on an asymmetrical directional coupler on the lithium-niobate-on-insulator platform, consisting of an...



The Keysight Technology, Inc. family of high-performance beamsplitters offers industry-leading polarization and beam control with low wavefront distortion. For more than 35 years, Keysight has ...

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