

The planar waveguide device transforming the monochromatic light beam to the array of uniform intensity parallel light beams emitted into free space has been demonstrated.

A 50:50 beam splitter for the light and matter waves based on a planar waveguide is studied. The light version of such a beam splitter is demonstrated experimentally. Applications of such a beam splitter ...

Planar waveguide splitters are a good alternative to multi-channel splitters. They do not have to be assembled in cascading order and can therefore be quite compact in size.

PW Series 1x8 planar waveguide splitter is based on Agiltron's high performance optical waveguide chips technology packaging structure. It features high uniformity, low excess and very low ...

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A passive optical splitter is a planar waveguide structure that divides the light beam, coupled into the input port, in two or multiple separate light beams on the output ports.

PLC splitter, also called Planar Waveguide Circuit splitter, is a device used to divide one or two light beams into multiple light beams uniformly or combine multiple light beams to one or two ...

The evolution of the transverse momentum of monochromatic light entering a multimode planar waveguide at large angle is investigated and a new type of an interferometer based on this effect is ...

We present a new high-efficiency splitter waveguide design based on photonic topological insulators. The system's robust edge states allow electromagnetic waves to propagate in the 2D...

A novel polarization beam splitter is designed on a slab waveguide platform where light is vertically confined. Planar lenses are formed to collimate and refocus a light beam by converting the phase ...

In this paper an optical beam splitter based on a planar waveguide formed by two nontransmitting mirrors is discussed, and the extension to atom optics described.

To address the demand for low-cost, low-loss, and environmentally friendly optical power dividers in short-range visible light communication (VLC) systems, a low-loss 1 &#215; 2 Y-branch optical ...

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