

Abstract Optical splitters are passive optical components, which have found applications in a wide range of telecom,

ng beam splitter, the splitting performance of the PBS is analyzed and verified by making the incident angle deviate from the

Fabrication errors including the waveguide width, arm length, film thickness, and sidewall are analyzed using the beam

Optical performance degradation is due to thermally induced optical errors in the two beam splitter cubes. The computation of the

The main challenges in the design of Y-branch optical splitters are the asymmetric split-ting ratio, (non-uniformity of splitting power),

As a high-precision (HP) position sensor, the optical encoder is the core component of modern electromechanical machines. During

Measurement accuracy is essential for the all-fiber optic current sensor. Angle errors of axis alignment in the fusion

Communication link between the service provider and the user premises of PON networks depends on the splitter.

However, the use of acousto-optic modulation to produce a new light source increases the complexity of the system,

An optical splitter is a crucial passive fiber optic device that splits and combines optical

Fiber optic splitters and couplers are fundamental passive components in modern optical communication networks.

The mathematics model of alignment and error analysis for beam splitter are built in this paper. The effect of optical alignment error

Abstract This work presents an experimental and numerical study of the failure behavior of planar lightwave circuit

Fourier-transform imaging spectroscopy (FTIS) faces inherent limitations in spectral resolution due to the maximum

In this paper, a virtual simulation system of NCPMD is established, and an error model of the NCPMD system by

Compared with the phase measuring deflectometry techniques based on the conventional configuration, the near

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