

## Optical Splitter Assembly Surface Design



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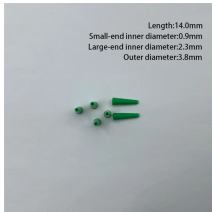
This design shows the concept of dichroic beam splitter for achieving 57% reflectance at red wavelength (660 nm) and 90% transmittance at green wavelength (550 nm).



The following section outlines the key steps to manufacturing an optical splitter, where each step requires strict Quality Control of the environment and the equipment used, and detailed precision ...



We report on the design and fabrication of a novel all-glass four-channel beam splitter based on a Kösters prism for use in space.



Length:14.0mm  
Small-end inner diameter:0.9mm  
Large-end inner diameter:2.3mm  
Outer diameter:3.8mm

This involves having 2 or more splitter combinations to arrive at the target split ratio. A classic example is the use of a 1x4 and 1x8 splitter to comprise a 1x32 final ratio.



This design is extremely flexible, allowing one to use different fiber types on different ports, and different beam splitter optics inside. Custom designs combining circulators, polarizing splitters and non ...



New construction stacks of a polarized and nonpolarized beam splitter for the visible region have been submitted. Results appear with new designs with optimal specifications.



Cube beamsplitters are constructed using two typically right angle prisms (Figure 1). The hypotenuse surface of one prism is coated, and the two prisms are cemented together so that they form a cubic ...



The device employs a large-core step-index POF with a core diameter of 1 mm, enabling efficient coupling of multimode optical signals. The design and structural optimization of the 1 × 2 ...



These beamsplitters are made from high grade glass materials with laser grade surface flatness and surface quality and have a tighter tolerance on the splitting ratio.



Explore splitter fiber assemblies for precise 1:2 light routing in spectroscopic setups. Compatibility with UV-VIS and VIS-NIR applications.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://samastersbaseball.co.za>

Email: [sales@samastersbaseball.co.za](mailto:sales@samastersbaseball.co.za)

Phone: +27 63 874 2095

Address: 15 Innovation Drive, Technopark, Stellenbosch, 7600, South Africa

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