

# Optical Prism for Beam Splitting

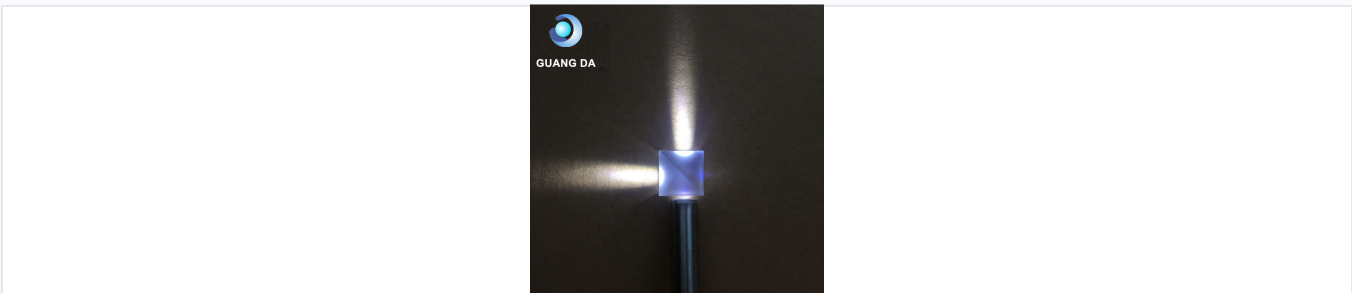
This optical prism is designed for beam splitting applications. It features high precision and undergoes 100% quality inspection during the production process.



## ADDITIONAL IMAGES



## Product Overview



High-precision optical prism designed for accurate beam splitting and light manipulation.

### High-Precision Beam Splitting Prism

This optical prism is engineered for high-precision beam splitting, polarization control, and spectral analysis. Constructed from high-quality optical colourless glass, it features precise angular tolerances and superior surface quality to ensure minimal distortion and maximum light transmission. Designed for versatility, this component is suitable for a wide range of demanding applications, from laser systems and medical equipment to imaging and rangefinding devices.

## Technical Specifications



Precision-engineered prism featuring specialized coatings for beam splitting and polarization.

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Material</b>                 | Optical colourless glass |
| <b>Clear Aperture</b>           | >90%                     |
| <b>Surface Quality</b>          | 40/20                    |
| <b>Surface Accuracy</b>         | »/5                      |
| <b>Angle Tolerance</b>          | $\pm 12^{\circ} \pm 52$  |
| <b>Dimensional Tolerance</b>    | 0.1 mm                   |
| <b>Splitting Ratio Accuracy</b> | T/R: $\pm 5\%$           |

## Applications



Versatile optical components suitable for medical, laser, projection, and military applications.

### Application Fields

- Projectors
- Optical Instruments
- Fingerprint Devices
- Collimators
- Rangefinders
- Imagers
- Mechanical Sights
- Solar Converters
- Laser Treatment Equipment
- Laser Measurement Systems

## Quality Assurance

|                           |  |
|---------------------------|--|
| <b>Quality Commitment</b> | High Precision, 100% Quality Inspection, End-to-End Production |
|---------------------------|--|