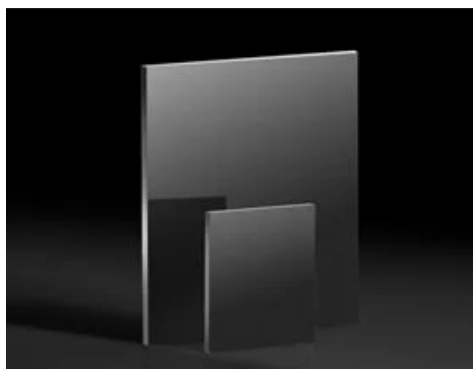


12.5mm Square Broadband Polarizing Plate Beamsplitter



Stock #48-544 **20+ In Stock**

1 MRP ₹20,078

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹20,078 each
Qty 11-25	₹16,748 each
Qty 26+	₹14,428 each
Need More?	Request Quote

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):	8.5 x 8.5	Length (mm):	12.50
Dimensions (mm):	12.5 x 12.5	Thickness (mm):	0.70 ±0.07
Dimensional Tolerance (mm):	±0.2	Construction:	Wire Grid
Width (mm):	12.50		

Optical Properties

Angle of Incidence (°):	45 ±15	Substrate:	Corning Eagle XG
Surface Quality:	80-50	Coating Specification:	Surface 2: R _{abs} <2.0% @ 420 - 670nm
Wavelength Range (nm):	420 - 700	Transmission Axis Tolerance (°):	±1

Material Properties

Thermal Expansion: 31.7 x 10⁻⁷/°C

Environmental & Durability Factors

Operating Temperature (°C): -40 to +200

Regulatory Compliance

RoHS 2015: Compliant	Reach 224: Compliant
Certificate of Conformance: View	
Country of Origin: United States	Imported By: Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

Product Details

- Wire Grid Technology
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Ideal for High Temperature Environments

Broadband Polarizing Plate Beamsplitters consist of a thin layer of aluminum MicroWires adhered to a glass window. These beamsplitters are an alternative and economical substitute for ruled or holographic **wire grid polarizers**. Providing exceptional image contrast and uniformity, these beamsplitters are ideal for applications requiring large angular apertures and high throughput. Broadband Polarizing Plate Beamsplitters reflect S-polarized light and transmit P-polarized light. The beamsplitters are offered in a 12.5 x 12.5mm or 25 x 25mm size.

Note: MicroWires are very fragile. Handle these beamsplitters with care.

If the operating temperature will exceed 100°C, turn the MicroWires surface away from the input beam for optimum performance. At temperatures below 100°C, the MicroWires can be oriented towards the input beam.

Technical Information

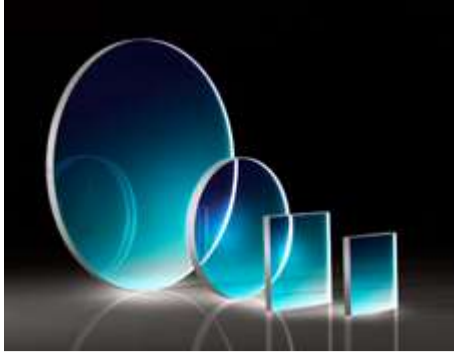
Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.



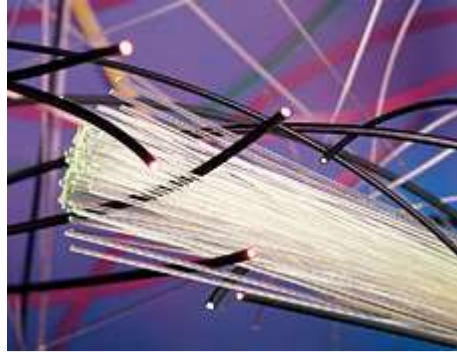
Component Handling Tools

Frequently Purchased Together



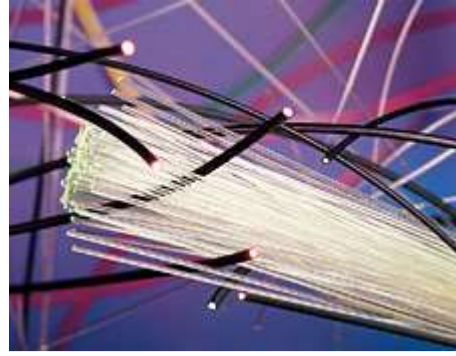
#02-105 - 12.5mm Diameter Float Glass Window
₹1,514

Qty



#02-550 - 1500µm with 1 Fiber, Optical Grade Plastic Light Guide
₹452

Qty



#02-551 - 2000µm with 1 Fiber, Optical Grade Plastic Light Guide
₹584

Qty



#31-418 - 9.5 x 11.2mm, 4-6λ Mirror
₹1,918

Qty

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

APPLICATION NOTE

An Introduction to Optical Coatings

CASE STUDIES

Laser Optics for Eye Surgery

CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

WEBINARS

The Ultimate Guide to Beamsplitters

APPLICATION NOTE

What are Beamsplitters?

VIDEO

Introduction to Beamsplitters

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