

## 75 x 75mm, 50R/50T, Plate Beamsplitter



Stock **#46-642** [CONTACT US](#)

- 1 + **A\$219<sup>.20</sup>**

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Volume Pricing	
Qty 1-9	<b>A\$219.20</b> each
Qty 10-24	<b>A\$161.60</b> each
Qty 25-49	<b>A\$154.40</b> each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

#### General

Standard Beamsplitter

Type:

#### Physical & Mechanical Properties

>85

Clear Aperture (%):

Plate

Construction:

**Dimensional Tolerance (mm):**  
±0.38

**Dimensions (mm):**  
75.0 x 75.0

**Edges:**  
Cut

**Thickness (mm):**  
1.00

## Optical Properties

**Coating Specification:**  
Surface 1: Dielectric, ±5% R/T @ 550nm  
Surface 2: AR  $\frac{1}{4}\lambda$  MgF<sub>2</sub> @ 550nm

**Reflection/Transmission Ratio (R/T):**  
50/50

**Substrate:**   
Float Glass

**Surface Flatness (P-V):**  
4 - 6λ

**Surface Quality:**  
80-50

**Wavelength Range (nm):**  
400 - 700

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 247:**  
[Compliant](#)

## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

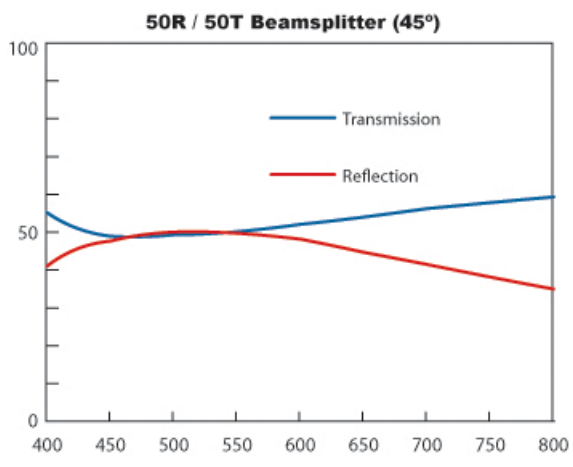
## Product Details

- Low-Cost Design
- Multiple Sizes Available
- Many Beamsplitting Ratios Available

Plate Beamsplitters are available in multiple Reflect/Transmission ratios to meet a wide variety of application needs. These beamsplitters are also offered with an anti-reflection (AR) coating on the second surface to enhance each beamsplitter's overall efficiency. This second coating aids in preventing unwanted ghost reflections. Plate Beamsplitters are a cost-efficient option to integrate into multiple applications. For custom sizes or alternate reflection/transmission ratios, please contact our [Sales Department](#).

## Technical Information





## Compatible Mounts

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