76.2mm Clear Aperture 8R/92T, Pellicle Beamsplitter

Pellicle Beamsplitters

Stock **#39-486**   **2 In Stock**

⊖   1   ⊕   **S$483**.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	**S$483.00** each
Qty 11-25	**S$408.80** each
Qty 26+	**S$352.80** each
Need More?	**Request Quote**

Product Downloads

General

Type:

Pellicle Beamsplitter

Physical & Mechanical Properties

Clear Aperture CA (mm):

76.2

Construction:

Pellicle

Diameter (mm):	
88.90	
	Housing:
Black Anodized Aluminum	
	Thickness (µm):
2 +0.3/-0.2	

Optical Properties

	Coating:
Uncoated	
	Index of Refraction (n$_d$):
1.5	
	Reflection/Transmission Ratio (R/T):
8/92 ±5%	
	Substrate: ☐
Nitrocellulose	
	Surface Quality:
40-20	
	Wavelength Range (nm):
400 - 2200	

Threading & Mounting

	Mount Thickness (mm):
6.35	
	Mounting Threads:
2-56	

Regulatory Compliance

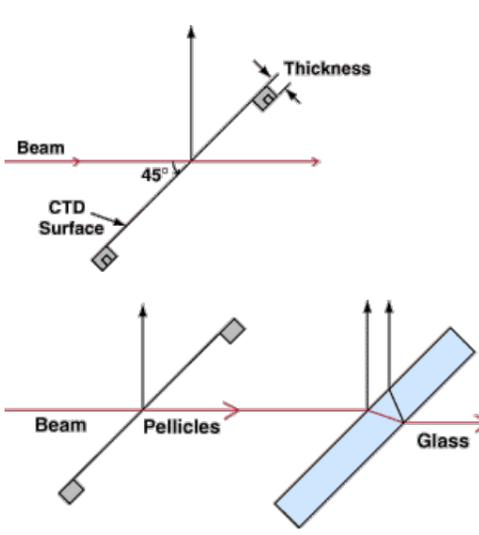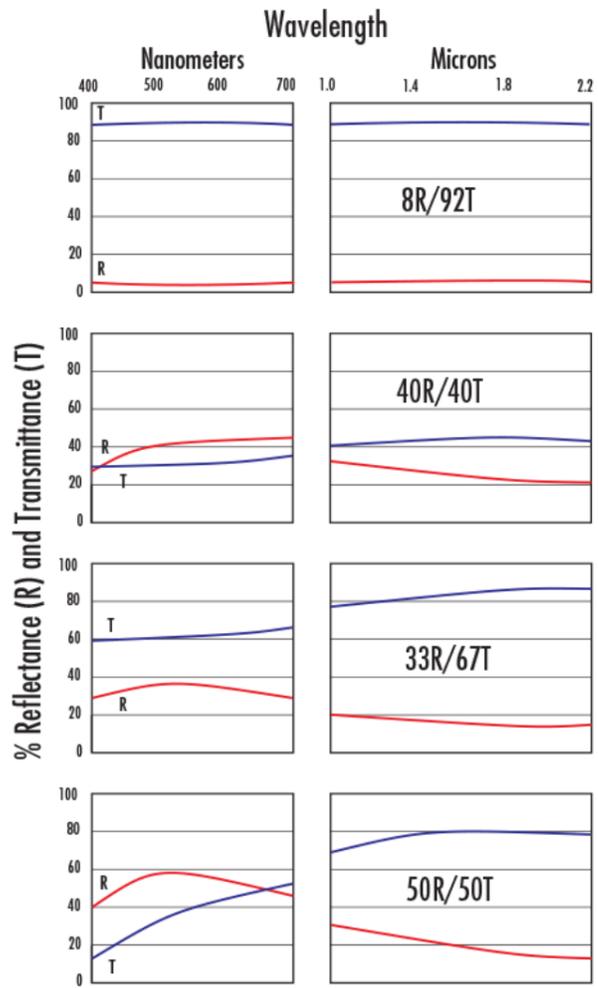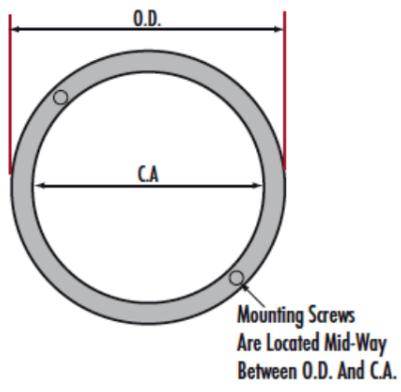|	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	REACH 241:
Compliant	

Product Details

- No Ghost Images from Second Surface Reflections
- No Chromatic Aberration with Converging Beams
- No Change in Optical Path Length
- **Pellicle Beamsplitters for the Infrared (IR)** Also Available

Pellicle Beamsplitters are very thin nitrocellulose membranes bonded to lapped aluminum frames. They feature no ghost images from second surface reflections. To ease system integration, these beamsplitters offer mounting holes on the underside of the frame. Pellicle Beamsplitters are resistant to mechanical shock or climate variations but must be protected from dust and spray to avoid damage to the pellicle membrane. Please note, environments with a high level of humidity (>55%) can cause a temporary loss of tension in the pellicle membrane. The membrane will revert to normal tension if humidity is lowered.

Note: Extra care must be taken when handling.

Technical Information

O.D.

C.A

Mounting Screws
Are Located Mid-Way
Between O.D. And C.A.

Wavelength

Nanometers

Microns

% Reflectance (R) and Transmittance (T)

8R/92T

40R/40T

33R/67T

50R/50T

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

Compatible Mounts