

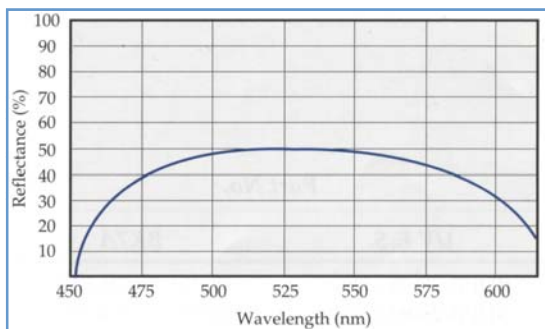
Partial Reflectance Plate Beamsplitters



These beamsplitters provide definite split ratios at a particular laser wavelength. They are designed for use either at 0° or 45° and are not intended for use at other wavelengths. Substrate material is usually BK7 or UV fused silica and the substrates are polished to laser quality standards.

optical system.

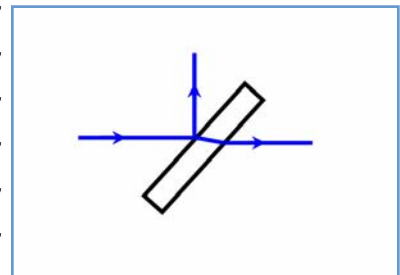
Since both substrates and coatings are made to laser quality standards, these beamsplitters may be used with high power lasers. They have a high laser damage threshold.



They may be used to split a laser beam into separate components or to re-combine branches of an

All common laser wavelengths are offered:

- 193, 213, 248,
- 257, 266, 308,
- 325, 352, 355,
- 442, 488, 515,
- 527, 532, 543,
- 633, 670, 680,
- 694, 780, 800,



- 830, 905, 980, 1047, 1053, 1064, 1300, 1310,
- 1319, 1540, 1550, 2100, 2940 nm.

Reflectance can be:

- 5, 10, 15, 20, 25, 30, 35, 40, 50, 60, 65, 70, 75,
- 80, 85, 90, 95, 98 or 99 %

Usual diameters are 10, 12.7, 19.1, 20, 25.4, 30, 38.1 and 50.8 mm but other sizes can be supplied on request.

Typical Specifications	
Substrate Material:	BK7A, UVFS
Surface flatness:	$\lambda/10$ @ 633 nm
Surface quality:	10/5
Parallelism:	< 3 arcmin
Diameter:	+0.0 / -0.2 mm
Thickness:	+/- 0.25 mm
AR coating:	R< 0.25%
Clear aperture:	> 85% of diameter
Damage Threshold:	> 10J/cm ² , 10 ns

To request a quote or to order, please specify:

Quantity — Diameter — Laser Wavelength — Reflectance — Angle of Incidence

Optarius

PO Box 2271
Malmesbury SN16 9FA
United Kingdom

Optics for Lasers

Phone: +44 1666 575185
Fax: +44 1666 577424
Email: optarius@optarius.com
Web: www.optarius.com

For a quotation — please phone, fax or email us with details of your requirements.