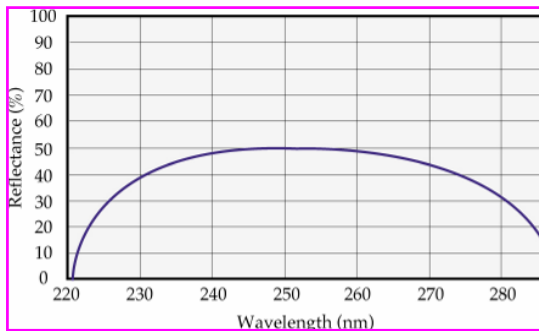


# UV Partial Reflectance Plate Beamsplitters



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

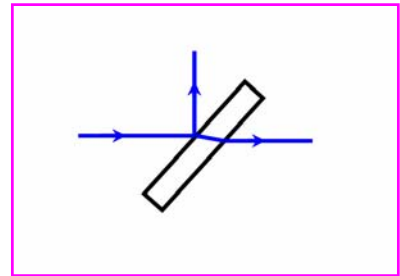
These beamsplitters may be used with high power lasers. They have a high laser damage threshold.



Common wavelengths offered are: 193, 213, 248, 257, 266, 308, 325, 352, 355 nm.

Reflectance can be:

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



They may be used to split light into separate components or to re-combine branches of an optical system.

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:	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:	> 5J/cm <sup>2</sup> , 10 ns

**To request a quote or to order, please specify:**

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

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