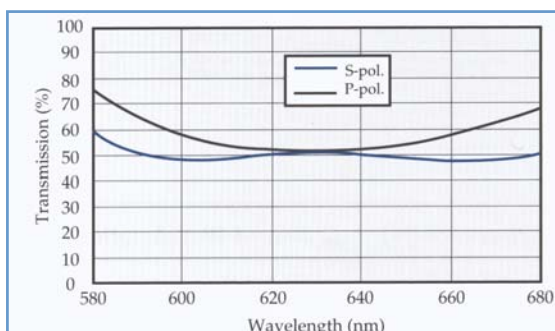


Non-polarizing Plate Beamsplitters



The natural tendency of optical surfaces to reflect s- and p- polarizations with different efficiencies can be a serious problem when working with lasers as the state of polarization can change as it passes through the optical system.

These non-polarizing plate beamsplitters eliminate



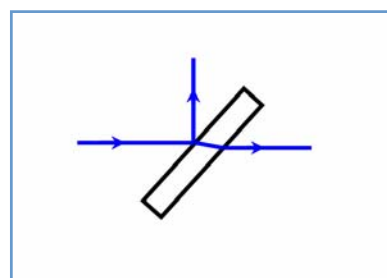
the problem due to a special coating, which provides 50:50 transmission/reflection for all polarizations. Such coatings only work for one wavelength and angle of incidence, normally 45°.

Nearly all laser wavelengths can be accommodated. The difference between s- and p- polarization will be within 5% for low power lasers and within 10% for high power lasers.

Here are some typical wavelengths offered:

248, 266, 355, 442, 488, 527, 532, 633, 670, 680, 694, 780, 830, 905, 980, 1047, 1053, 1064, 1310, 1319, 1540, 1550 nm.

Usual diameters are 25.4 and 50.8 mm but other sizes can be supplied on request.



Typical Specifications	
Substrate Material:	BK7 grade A
Surface flatness:	$\lambda/10$ @ 633 nm
Surface quality:	10/5
Parallelism:	< 3 arcmin
Diameter:	+0.0 / -0.2 mm
Thickness:	+/- 0.25 mm
s-p :	< 10%
T & R:	50/50 +/- 7%
AR coating:	R < 0.25%
Clear aperture:	> 85% of diameter
Damage Threshold:	> 3J/cm ² , 10 ns

To request a quote or to order, please specify:

Quantity — Diameter — Laser Type & Wavelength

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