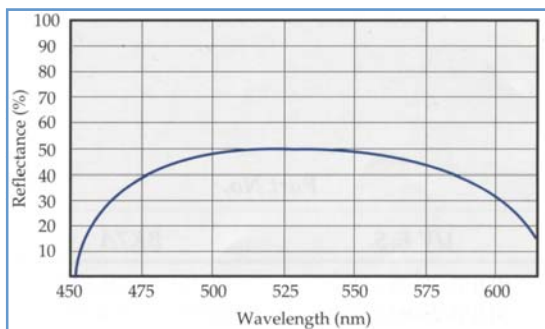


# Partial Reflectance Cube Beamsplitters



These cube beamsplitters provide definite split ratios at a particular laser wavelength. They are not intended for use at other wavelengths. The prism substrate material is BK7.

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



optical system. Since the cubes are cemented, these beamsplitters may not be used with high power lasers.

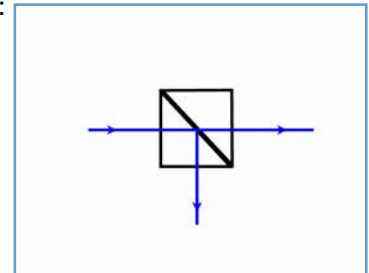
| Typical Specifications |                              |
|------------------------|------------------------------|
| Substrate Material:    | BK7A                         |
| Surface flatness:      | $\lambda/8$ @ 633 nm         |
| Surface quality:       | 20/10                        |
| Beam deviation:        | < 3 arcmin                   |
| Dimensions:            | +0.0 / -0.2 mm               |
| AR coating:            | R < 0.25% per face           |
| Clear aperture:        | > 85% of side                |
| Damage Threshold:      | > 1J/cm <sup>2</sup> , 10 ns |

The following laser wavelengths are offered:

442, 488, 515, 527, 532, 543, 546, 633, 670, 694, 780, 800, 830, 905, 980, 1047, 1053, 1064, 1300, 1310, 1319, 1540, 1550, nm.

Reflectance can be:

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



Usual sizes are 5, 6.35, 10, 12.7, 20, 25.4, 38.1 and 50.8 mm but other sizes can be supplied on request.

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

Quantity — Diameter — Laser Wavelength — Reflectance

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