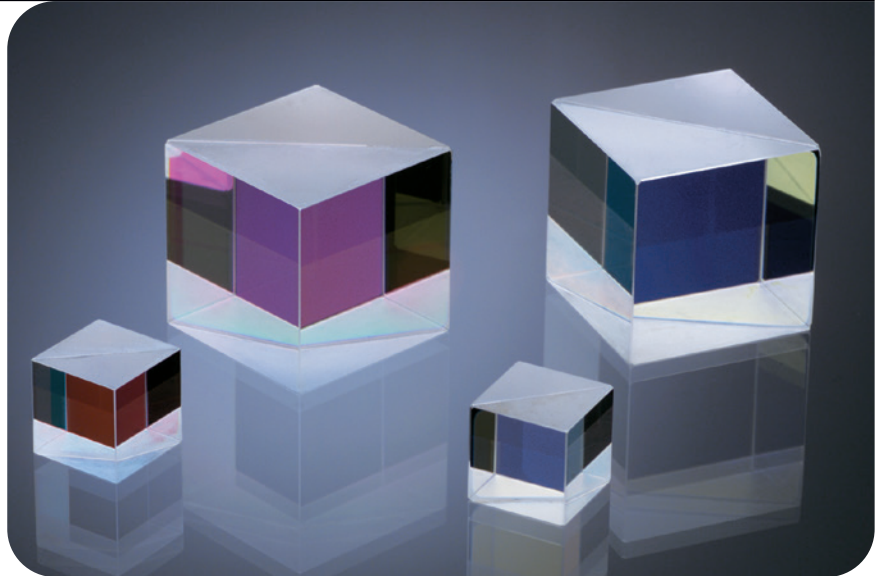


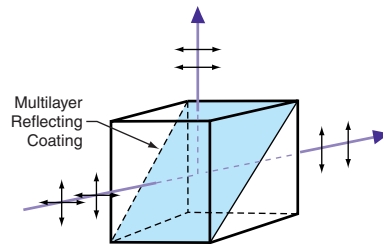
Narrowband Polarizing Beamsplitter Cubes

- **Laser quality**
- **Common laser wavelengths**



- Optics
- Lenses
- Mirrors & Beamsplitters
- Prisms & Polarizers
- Filters
- Pinholes

Narrowband polarizing beamsplitter cubes split the polarization states of an incoming beam. The p-polarization passes straight through the cube, while the s-polarization is reflected 90°. This split is the result of the multi-layer dielectric coating that has been placed on the internal hypotenuse surface. The entrance and exit faces have been AR coated with multi-layer coatings to maximize transmission.



Kinematic Prism Platforms



Kinematic Prism Platforms are also available on page 94.

- Opto-mechanics
- Breadboards & Rails
- Mounting Hardware
- Mirror & Component Mounts
- Manual Micro Positioners
- Motorized Positioners

Specifications

Material: BK7 Glass
Transmission (p-polarized): >95%
Reflection (s-polarized): >99.9%
Transmitted Wavefront: $\lambda/4$ at 633nm
Surface Quality: 20-10
Extinction Ratio: 1000:1
Dimensions: ± 0.508 mm
Clear Aperture: >80% of cube dim.
Laser Damage Threshold
Pulsed (10 ns): 100mJ/cm²

Narrowband Polarizing Beamsplitter Cubes

Wavelength (nm)	12.7 mm Cube		25.4 mm Cube	
	Catalog Number	Price US	Catalog Number	Price US
488	44-4380	\$354.02	44-4398	\$607.66
514.5	44-4406	\$354.02	44-4414	\$607.66
532	44-4422	\$354.02	44-4430	\$607.66
632.8	44-4448	\$393.36	44-4455	\$675.18
670	44-4489	\$393.36	44-4497	\$675.18
780	44-4505	\$393.36	44-4513	\$675.18
808	44-4521	\$393.36	44-4539	\$675.18
830	-	-	44-4554	\$675.18
1064	44-4588	\$393.36	44-4596	\$675.18
1550	44-4620	\$393.36	44-4638	\$675.18