

# Broadband Polarizing Beamsplitter Cubes

## Optics

Lenses

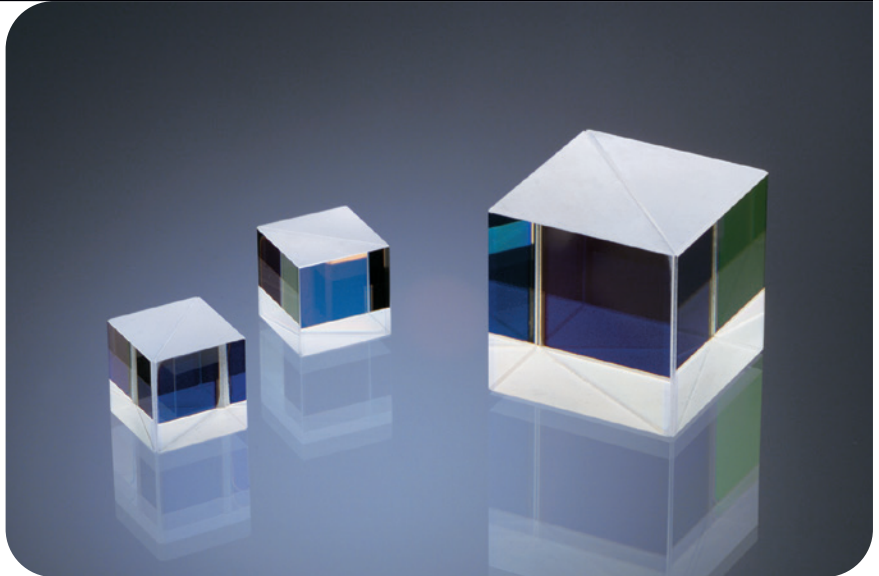
Mirrors & Beamsplitters

Prisms & Polarizers

Filters

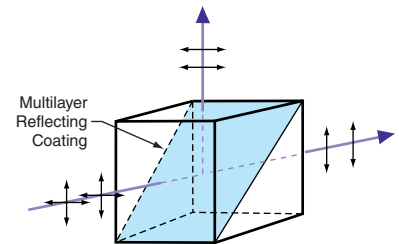
Pinholes

- **Laser quality**
- **Usable over wide wavelength ranges**



These cemented Polarizing Beamsplitter Cubes are coated to enable operation over a wide range of wavelengths.

The polarization separation is excellent with the transmitted and reflected beams at 90° to each other irrespective of wavelength.



## Opto-mechanics

Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro Positioners

Motorized Positioners

## Specifications

**Material:** SF2 Glass

**Transmission (p-polarized):** >90% average

**Reflection (s-polarized):** >99.5% average

**Transmitted wavefront:**  $\lambda/4$  at 633 nm

**Surface quality:** 20-10

**Extinction ratio:** >500:1

**Dimensions:**  $\pm 0.508$  mm

**Clear aperture:** > 80% of cube dim.

**Laser damage threshold**

**Pulsed (10 ns):** 100 mJ/cm<sup>2</sup>

## Broadband Polarizing Beamsplitter Cubes

Wavelength Range (nm)	12.7 mm Cube		25.4 mm Cube	
	Catalog Number	Price US	Catalog Number	Price US
650-950	44-4729	\$151.25	44-4737	\$171.60
900-1300	44-4766	\$151.25	44-4783	\$171.60
1050-1620	44-4745	\$135.00	44-4752	\$171.60

## Broadband Laser Optics

