

Broadband Hybrid Cube Beamsplitters

Optics

Lenses

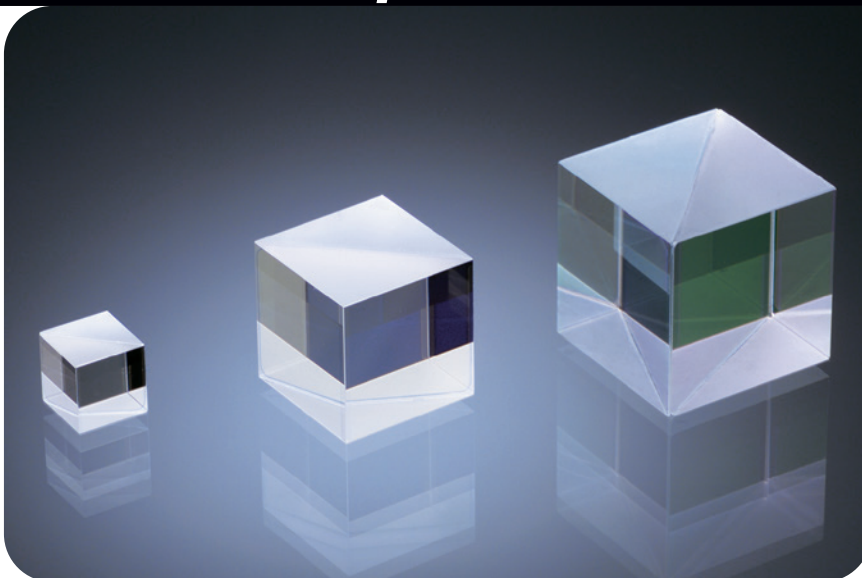
Mirrors & Beamsplitters

Prisms & Polarizers

Filters

Pinholes

- **Ideal for CW tunable lasers, laser diodes, or broadband light sources**
- **Durable and easy to use**
- **Non-polarizing**



Opto-mechanics

Breadboards & Rails

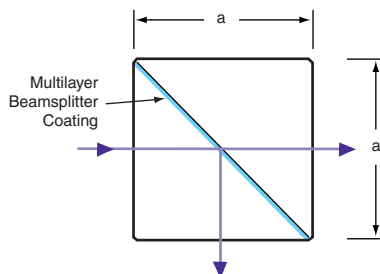
Mounting Hardware

Mirror & Component Mounts

Manual Micro Positioners

Motorized Positioners

These beamsplitter cubes use a hybrid (metal/dielectric) beamsplitter coating to achieve a remarkable degree of uniformity over a broad spectral range while limiting the polarizing tendencies of metal films. They are commonly used for low power applications where the slight amount of absorption by the film will not cause a problem.



Specifications

Material: BK7 Glass

Dimensions Tolerance: ± 0.508 mm

Flatness: $\lambda/4$ @ 633 nm

Surface quality: 20-10

Clear aperture: 80% side

Absorption: <10%

Reflection: 45% $\pm 5\%$

Transmission: 45% $\pm 5\%$

Polarization: $|s-p| < 10\%$

Laser Damage Threshold

Pulsed (10 ns): 100 mW/cm²

Broadband Hybrid Cube Beamsplitters

Wavelength (nm)	Side, a (mm)	Catalog Number	Price US
400-700	12.7	44-3622	\$102.64
400-700	25.4	44-3663	\$169.38
700-1100	12.7	44-3705	\$112.96
700-1100	25.4	44-3747	\$184.80

Broadband Laser Optics

