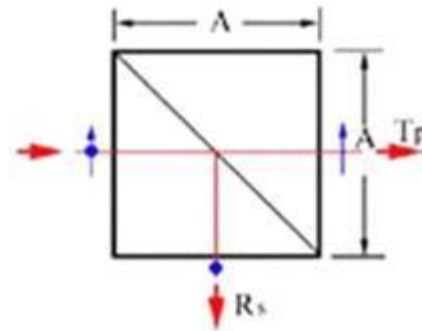


Polarizing Beamsplitter Cube

Narrow Band Polarizing Beamsplitter Cube Specifications:

- Material: **BK7 Grade A Optical Glass**
- Dimension Tolerance: $\pm 0.2\text{mm}$
- Surface Quality: 40/20
- Surface Accuracy: $\lambda/4$ per 25mm @633nm s
- Extinction Ratio: $>100: 1$
- Principal Transmittance: $T_p > 95\%$ and $T_s < 1\%$
- Principal Reflectance: $R_s > 99\%$ and $R_p < 5\%$
- Beam Deviation: < 3 arc minutes
- Coating: Polarization beamsplitter coating on hypotenuse face
"V" AR coating, $R < 0.25\%$ on all input and output faces
- Laser Damage Threshold: 2KW/cm² CW, 1J/cm² with 10nse pulses



Wavelength(nm)	488, 514.5, 532, 632.8, 635, 670, 780, 850, 980, 1064, 1300, 1550				
Part No.	PB-PBS0501	PB-PBS0101	PB-PBS0201	PB-PBS0301	PB-PBS0401
Size(mm)	$5 \times 5 \times 5$	$10 \times 10 \times 10$	$12.7 \times 12.7 \times 12.7$	$15 \times 15 \times 15$	$20 \times 20 \times 20$

Broadband Polarizing Beamsplitter Cube Specifications:

- Material: **SF5 Optical Glass**
- Dimension Tolerance: $\pm 0.2\text{mm}$
- Surface Quality: 40/20
- Surface Accuracy: $\lambda/4$ per 25mm @633nm
- Extinction Ratio: $>100: 1$
- Principal Transmittance: $T_p > 95\%$ and $T_s < 1\%$
- Principal Reflectance: $R_s > 99\%$ and $R_p < 5\%$
- Beam Deviation: < 3 arc minutes
- Coating: Broadband Polarization beamsplitter coating on hypotenuse face
BBAR coating on all input and output faces

- Laser Damage Threshold: 2KW/cm² CW, 1J/cm² with 10nse pulses

Wavelength(nm)	450~680	650~850	900~1200	1200~1550
Size(mm)	Part No.	Part No.	Part No.	Part No.
10 × 10 × 10	BP-BPS0101	BP-BPS0102	BP-BPS0104	BP-BPS0103
12.7 × 12.7 × 12.7	BP-BPS0201	BPBPS0202	BP-BPS0204	BP-BPS0203
15 × 15 × 15	BP-BPS0301	BP-BPS0302	BP-BPS0304	BP-BPS0303
20 × 20 × 20	BP-BPS0401	BP-BPS0402	BP-BPS0404	BP-BPS0403