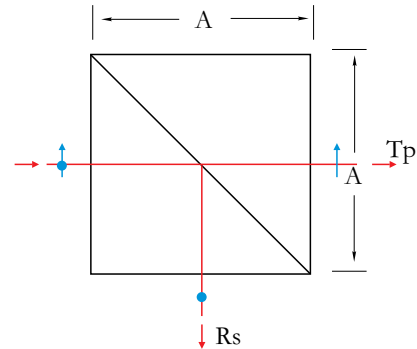


Polarization Beamsplitter Cube

Applications:

- Projection Optics System
- Imaging Optics System
- Optical Measurement System
- Optical Display Systems



Capability

| Attribute | Commercial | High Precision |
|---|--|------------------------------|
| Typical Material | BK7, SF2 | BK7, SF2 |
| Typical Dimension A (mm) | 10, 12.7, 15, 20, 25.4 | 10, 12.7, 15, 20, 25.4 |
| Dimension Tolerance (mm) | +/-0.1 | +/-0.03 |
| Parallelism (arc min.) | <3 | <0.5 |
| Flatness (per 25mm@632.8nm) | 1/4 | $\lambda/10$ |
| Surface Quality (scratch/dig) | 60-40 | 20-10 |
| Principle Transmittance and Reflectance | $T_p > 95\%$ and $T_s < 1\%$ | $R_s > 99\%$ and $R_p < 5\%$ |
| Extinction Ratio | 100:1 | 500:1 |
| Bevel (face width x 45° mm) | 0.2~0.5 | 0.05~0.2 |
| Coating | Wavelength: customer specified, Reference to pages 65-75 Polarization Beamsplitter coating type | |

