

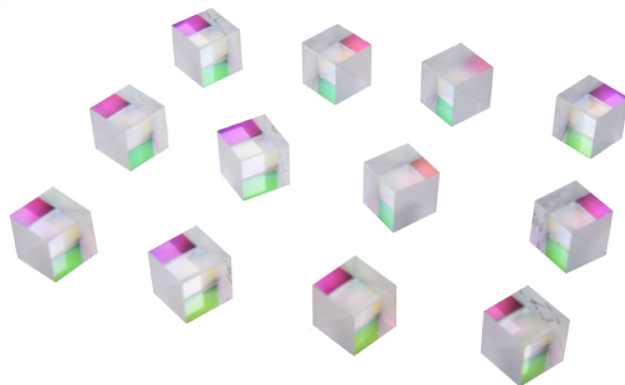
## PBS Cube

### Features

- High extinction ratio
- High damage threshold

### Applications

- High-power laser (optical contact PBS cube)
- Imaging systems
- Fiber optical communication systems



### Main Specifications

Parameter	Unit	Value
Typical Material		Fused silica, N-BK7
Typical Wavelength Range	nm	O-Band, C-Band, or L-Band
Typical Size	mm	1*1, 5*5, 7*7
Flatness	$\lambda$	$<1/4$ ( $\lambda=632.8$ nm)
Typical Incident Angle	$^{\circ}$	$0 \pm 0.5$
Surface Quality		Better than 20 - 10
Typical Coating Spec (Optical Contact)		$T_p > 98\%$ $R_s > 98\%$ Transmittance Extinction Ratio: $T_p/T_s > 100:1$ Reflectance Extinction Ratio: $R_s/R_p > 100:1$ (If the reflection extinction ratio is not required, the transmittance extinction ratio: $T_p/T_s > 500:1$ )
Typical Coating Spec (Epoxy adhesive Contact)		$T_p > 98\%$ $R_s > 98\%$ Transmittance Extinction Ratio: $T_p/T_s > 300:1$ Reflectance Extinction Ratio: $R_s/R_p > 300:1$
Edge Chipping	mm	$<0.05$
Corner Chipping	mm	$<0.1$

### Notes:

- Other sizes, wavelength ranges, and coating specs are available upon request.
- We can also produce plate PBS.

### Order Information

- The above specifications represent the typical performance of an O-Net PBS.
- Please contact our Sales to discuss your specific requirements.

