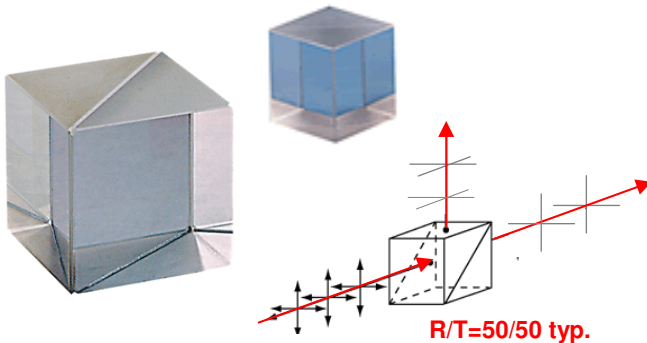


Laser Line Non Polarization Beam Splitters

- Cube Design
- Full dielectric coating with lowest absorption
- Available for 10 common laser wavelengths



FEATURES

General purpose for laser-wavelength beams splitting with unchanged polarization states, or used as power splitter

APPLICATIONS

Measurement system or instrument

RoHS Compliant

GENERAL SPECIFICATIONS:

Substrate Material:	BK 7 optical glass (or UV fused silica upon special request)
Surface Quality:	20 – 10 scratch and dig
Clear Aperture:	Central diameter, >90% of dimension
Flatness:	$\leq \lambda/10$ at 632.8 nm over the clear aperture
Parallelism:	< 1 arc minute
Angle Tolerance:	± 2 arc minutes
Input/Output Surface Coating:	Anti-reflection multilayer coating, R < 0.25% per surface
Dimension:	5.0: 5.0 x 5.0 x 5.0mm 8.0: 8.0 x 8.0 x 8.0mm
(shown as "X" inside P/N)	10.0: 10.0 x 10.0 x 10.0mm 12.5: 12.5 x 12.5 x 12.5mm
(<i>Dimension Tolerance: -0.05, +0.05mm typ.</i>)	15.0: 15.0 x 15.0 x 15.0mm 20.0: 20.0 x 20.0 x 20.0mm
	25.4: 25.4 x 25.4 x 25.4mm 30.0: 30.0 x 30.0 x 30.0mm
	50.0: 50.0 x 50.0 x 50.0mm 75.0: 75.0 x 75.0 x 75.0mm
	or other sizes upon request
Optical Coating:	NPBS dielectric coating (unpolarized)
(shown as "W" inside P/N)	W1: 441 ~ 458nm W2: 488 ~ 514.5nm
	W3: 532nm W4: 632.8nm
	W5: 670nm W6: 780nm
	W7: 830nm W8: 1064nm
	W9: 1300nm W10: 1550nm
R/T Splitter Ratio:	50/50; standard ratio if unspecified
(shown as "R/T" inside P/N)	Any R/T ratio upon request
Splitter Ratio Tolerance:	$\pm 2\%$ typ. ; 5% max
Damage Threshold:	2 kW/cm ² CW, 100mJ/cm ² with 10 nsec pulses at 10 Hz
Surface Durability:	MIL-M-13508C, MIL-C-675C, MIL-C-14806

Ordering Information:

P/L-NPBS - <X> - <W> - <R/T>

Photonik reserves the rights to change product designs and specifications at any time without notice.

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