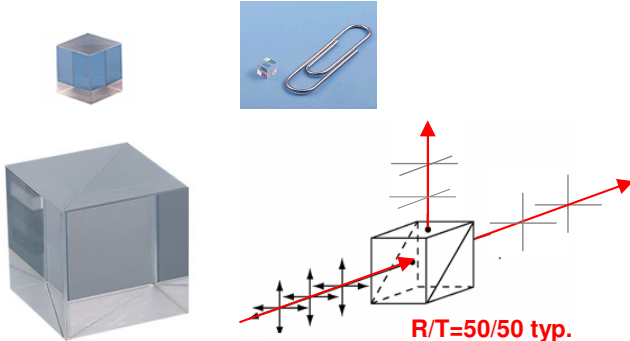


Broadband Non Polarization Beam Splitters Cube

- **Cube design**
- **Full dielectric coating with lowest absorption**
- **Available for 5 typical bands**



FEATURES

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

APPLICATIONS

Measurement system or instrument integration

RoHS Compliant

GENERAL SPECIFICATIONS:

Substrate Material:	BK 7 optical glass (or UV fused silica upon special request)										
Surface Quality:	40 – 20 scratch and dig										
Clear Aperture:	Central, >90% of dimension										
Flatness:	$\leq \lambda/10$ PV 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:	<table border="0"> <tr> <td>5.0: 5.0 x 5.0 x 5.0mm</td> <td>8.0: 8.0 x 8.0 x 8.0mm</td> </tr> <tr> <td>10.0: 10.0 x 10.0 x 10.0mm</td> <td>12.5: 12.5 x 12.5 x 12.5mm</td> </tr> <tr> <td>15.0: 15.0 x 15.0 x 15.0mm</td> <td>20.0: 20.0 x 20.0 x 20.0mm</td> </tr> <tr> <td>25.4: 25.4 x 25.4 x 25.4mm</td> <td>30.0: 30.0 x 30.0 x 30.0mm</td> </tr> <tr> <td>50.0: 50.0 x 50.0 x 50.0mm</td> <td>75.0: 75.0 x 75.0 x 75.0mm</td> </tr> </table>	5.0: 5.0 x 5.0 x 5.0mm	8.0: 8.0 x 8.0 x 8.0mm	10.0: 10.0 x 10.0 x 10.0mm	12.5: 12.5 x 12.5 x 12.5mm	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
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50.0: 50.0 x 50.0 x 50.0mm	75.0: 75.0 x 75.0 x 75.0mm										
(shown as "X" inside P/N) <i>(Dimension Tolerance: -0.05, +0.05mm typ.)</i>	or other sizes upon request										
Optical Coating:	NPBS dielectric coating (unpolarized)										
(shown as "W" inside P/N)	<table border="0"> <tr> <td>W1: 320 ~ 420nm</td> <td>W2: 400 ~ 700nm</td> </tr> <tr> <td>W3: 700 ~ 900nm</td> <td>W4: 800 ~ 1100nm</td> </tr> <tr> <td>W5: 1100 ~ 1600nm</td> <td></td> </tr> </table>	W1: 320 ~ 420nm	W2: 400 ~ 700nm	W3: 700 ~ 900nm	W4: 800 ~ 1100nm	W5: 1100 ~ 1600nm					
W1: 320 ~ 420nm	W2: 400 ~ 700nm										
W3: 700 ~ 900nm	W4: 800 ~ 1100nm										
W5: 1100 ~ 1600nm											
R/T Splitter Ratio:	50/50; standard ratio if unspecified in P/N										
(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:

NPBS - <X> - <W> - <R/T> - <MX**>

Option:
Kinematic
Mount for
Cube



M1



M2

With 360° rotation

Accessories:
more available



** Post, post holder and pedestal & fork are not included. Sold separately.

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

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