

Polarization Beam Splitter – Cube Design

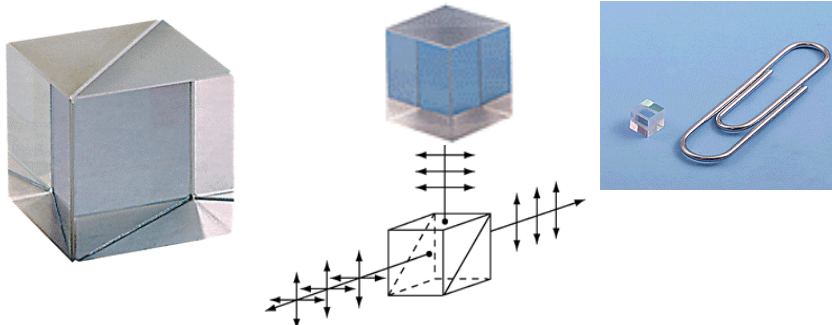
Broadband PBS Type

Dielectric Coating for Split & AR Surfaces

High Extinction Ratio

PHOTONIK hv

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FEATURES

General purpose for NIR beam splitting to different polarization states, or used as polarization beam combiner

APPLICATIONS

Optical measurement setup
NIR Interferometer system
Laser system configuration
Elements for fiber optical modules

GENERAL SPECIFICATIONS:

Resolved by
600line/mm grating

Substrate Material:	BK7 glass, Grade A	
Dimension (shown as "X" inside P/N): (Dimension Tolerance: -0.05, +0.05mm typ.)	00.8: 0.8 x 0.8 x 0.8 03.0: 3.0 x 3.0 x 3.0 08.0: 8.0 x 8.0 x 8.0 12.5: 12.5 x 12.5 x 12.5 15.0: 15.0 x 15.0 x 15.0 25.0: 25.0 x 25.0 x 25.0 50.0: 50.0 x 50.0 x 50.0 75.0: 75.0 x 75.0 x 75.0 100.0: 100.0 x 100.0 x 100.0 200.0: 200.0 x 200.0 x 200.0	01.0: 1.0 x 1.0 x 1.0 05.0: 5.0 x 5.0 x 5.0 10.0: 10.0 x 10.0 x 10.0 12.7: 12.7 x 12.7 x 12.7 20.0: 20.0 x 20.0 x 20.0 25.4: 25.4 x 25.4 x 25.4 50.8: 50.8 x 50.8 x 50.8 76.2: 76.2 x 76.2 x 76.2 101.6: 101.6 x 101.6 x 101.6 203.2: 203.2 x 203.2 x 203.2
Clear Aperture:	> 80%	
Surface Quality:	20 – 10 scratch and dig, or 10-5 scratch and dig upon request.	
Parallelism:	< 1'	
Optical Coating (shown as "W" inside P/N):	PBS dielectric coating (polarized) W1: 400 ~ 700nm W3: 900 ~ 1100nm W5: 1400 ~ 1700nm	W2: 700 ~ 900nm W4: 1100 ~ 1400nm
Input/Output Surface Coating:	Anti-reflection broadband coating; R<0.25% typ.	
Extinction Ratio:	200:1 typical; 500:1 max >1000:1 upon special order.	
Damage Threshold:	> 10 ⁶ W/cm ² ; 10ns @ 1064nm pulse	
Package (shown as "Mounting Type" inside P/N):	NM: Un-mounted, typical. M: Mounted: upon request	

Ordering Information:

P/B-PBS - <X> - <W> - <Mounting Type>

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