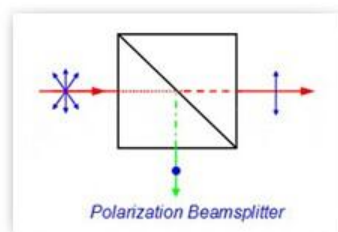


Polarizing Cube Beamsplitters (PBS Cubes)

Polarizing Cube Beamsplitters or PBS cube split randomly polarized beams into two orthogonal, linearly, polarized components-S-polarized light is reflected at a 90deg.Angle while P-polarized light is transmitted. Each beamsplitter consists of a pair of precision high tolerance right angle prisms cemented together with a dielectric coating on the hypotenuse of one of prisms.

Hangzhou Shalom EO offers the custom PBS cubes upon customer's request, and the stocked modules are also available in fast delivery and low cost.



SPECIFICATIONS

Specifications	
Material	K9 or ZF Glass
Wavelength Range	350~2300nm
Dimension Tolerance	+/-0.2mm
Extinction Ratio	>500:1~1000:1 (Narrow Band) >300:1~500:1 (Broad band)
Surface Quality	60 / 40
Beam Deviation	<3 arc Sec
Principal Transmittance	Tp>95%, Ts<1%
Principal Reflectance	Rs>99%, Rp<5%
Coating	Polarization Beamsplitter coating on hypotenuse face, AR coating on all input and output face
Standard Wavelength	Narrow Band: 532、632.8、808、980、1064、1310、1550 Broadband: 450-650、650-900、900-1200、1200-1550、 1550-1610Black

General Types of PBS:

Narrowband PBS

Part No.	Extinction Ratio	Size (mm)
PBS2005	>500:1 (Narrow Band) >300:1 (Broad band)	5X5X5
PBS2010		10X10X10
PBS2015		15X15X15
PBS2020		20X20X20
PBS2025		25X25X25

High Power PBS:

Part No.	Extinction Ratio	Size (mm)
PBS1005	>1000:1 (Narrow Band) >500:1 (Broad band)	5X5X5
PBS1010		10X0X10
PBS1015		15X15X15
PBS1020		20X20X20
PBS1025		25X25X25