

Polarizer

3. YVO₄ Rochon Polarizer

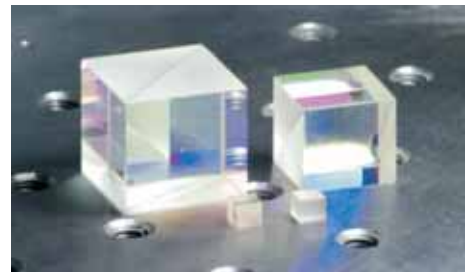
Part No.	Wavelength Range (nm)	Extinction Ratio	Separation Angle(°)	C.A. Φ_a (mm)	O.D. Φ_d (mm)	L \pm 0.1 (mm)	Unit Price
PRH7008	350-2200	5×10^{-5}	6.0 @1550nm	8.0	25.4	17.0	\$418
PRH7010				10.0	25.4	19.0	\$518
PRH7012				12.7	25.4	21.0	\$598
PRH7015				15.0	30.0	23.0	\$648
PRH7020				20.0	38.0	29.0	\$988

Polarization Beamsplitter Cube

- Widely used in most application
- Good Extinction Ratio

Standard Product Specifications

Material	BK7 or SF glass
Dimension Tolerance	± 0.2 mm
Extinction Ratio	>100:1
Surface Quality	60/40 scratch and dig
Beam Deviation	< 3 arc minutes
Flatness	$\lambda/4$ @632.8nm per 25mm
Transmittance	T _p >95% and T _s <1%
Reflectance	R _s >99% and R _p <5%
Coating	Polarization beamsplitter coating on hypotenuse face AR-coating on all input and output faces



Standard Products Series

Part No.	Extinction Ratio	Size(mm)	Unit Price
PBS1005	>100:1	5.0 x 5.0 x 5.0	\$75
PBS1010		10.0 x 10.0 x 10.0	\$80
PBS1012		12.7 x 12.7 x 12.7	\$82
PBS1015		15.0 x 15.0 x 15.0	\$90
PBS1020		20.0 x 20.0 x 20.0	\$95
PBS1025		25.4 x 25.4 x 25.4	\$120

Note: Above price is for narrow band only. Other sizes are available upon request.

Standard Coating

Narrow Band	532, 632.8, 780, 850, 1064, 1550 nm
Broad Band	450-650, 650-900, 900-1200 nm