

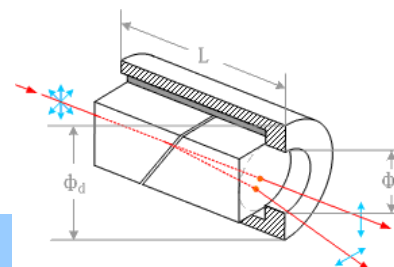
Rochon Polarizer

Features

- High UV Transmission
- High Extinction Ratio
- Wide Wavelength Range
- Large Field Angle

Applications

- Beam Polarizing



Polarizer

Specifications

Material	α-BBO, YVO4, Quartz
Wavelength range	α-BBO:190~3500nm Quartz:200~2300nm YVO4:500~4000nm
Extinction ratio	α-BBO:5×10^{-6}, Quartz:5×10^{-4}, YVO4: <math>5 10^{-6}<="" \times="" math><="" td=""> </math>5>
Surface quality	20-10 S/D
Dimension tolerance	±0.1mm
Beam deviation	<math>< 3</math> arcmin
Wavefront distortion	<math>\lambda 4@632.8\text{nm}<="" math><="" td=""> </math>\lambda>
Damage threshold	>500MW/cm ²
Coating	Single layer MgF2

Standard Products

Part No.	Material	Separation angle	Φa (mm)	Φd (mm)	L (mm)	Unit price
HRCP1208	α-BBO	8.0°@1064nm	8.0	25.4	17.2	\$498.0
HRCP1210	α-BBO	8.0°@1064nm	10.0	25.4	19.2	\$568.0
HRCP1215	α-BBO	8.0°@1064nm	15.0	30.0	24.2	\$780.0
HRCP1220	α-BBO	8.0°@1064nm	20.0	38.0	29.2	\$1200.0
HRCP2308	YVO4	10.0°@1064nm	8.0	25.4	16.0	\$368.0
HRCP2310	YVO4	10.0°@1064nm	10.0	25.4	16.0	\$458.0
HRCP2315	YVO4	10.0°@1064nm	15.0	30.0	20.0	\$568.0
HRCP2320	YVO4	10.0°@1064nm	20.0	38.0	25.0	\$900.0
HRCP3408	Quartz	1.0°@980nm	8.0	25.4	26.0	\$318.0
HRCP3410	Quartz	1.0°@980nm	10.0	25.4	28.0	\$388.0
HRCP3415	Quartz	1.0°@980nm	15.0	30.0	38.0	\$488.0
HRCP3420	Quartz	1.0°@980nm	20.0	38.0	48.0	\$698.0