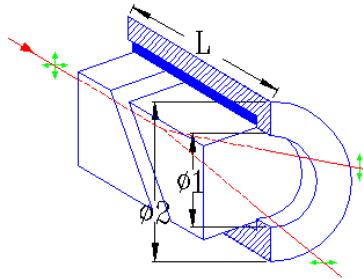


Wollaston Polarizers

Product Description:

A Wollaston polarizer is made of two birefringent wedges which are cemented on their long surfaces or separated with an air gap. The crystal axes of wedges are orthogonal with each other. A light beam passing through a Wollaston polarizer splits into two linearly polarized beams which leave the prism at a nearly symmetrical divergent angle. The divergent angle is decided by the wedge angle for a given crystal and can be designed upon your request.

You may refer to this page (<http://www.pmoptics.com/crystals.html>) for material properties



Features:

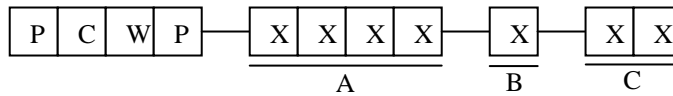
- High Polarization Purity
- High Transmittance
- Wide wavelength Range
- Wide acceptance angle
- Multiple-choice crystal materials
- Both beams are deviated.

Specifications:

Materials	Alpha-BBO (190~3500nm) Calcite (350~2300nm) YVO4 (450~5000nm)
Dimension Tolerance	$\pm 0.1\text{mm}$
Extinction Ratio	Alpha-BBO, YVO4 $< 1 \times 10^{-6}$ Calcite $< 5 \times 10^{-5}$

Divergent Angle	Alpha-BBO: 16° at 800nm YVO4 < 20° at 1550nm Calcite: 19° at 980nm
Flatness	$\lambda/4$ @ 632.8nm
Surface Quality	20~10
AR coating	Single Layer MgF2 on input and output surfaces
Mount	Black Anodized Aluminum

Ordering Information:



A	Wavelength	1550=1550nm
		980=0980nm
		XXXX=Your Application Wavelength
B	Material	1=YVO4
		2=Calcite
		3= Alpha-BBO
		0=Special
C	Dimensions	01=6.0mm(Φ 1)X15.0mm(Φ 2)X14.0mm(L)
		Check Standard Size Table Below
		00=Custom Dimensions

Standard Size Table:

Dimension P/N	Clear Aperture Φ 1 (mm)	Outside Diameter Φ 2 (mm)	Length L (mm)
01	6.0	15.0	14.0
02	8.0	25.4	18.5
03	10.0	25.4	28.0
04	15.0	30.0	38.0
05	20.0	38.0	48.0