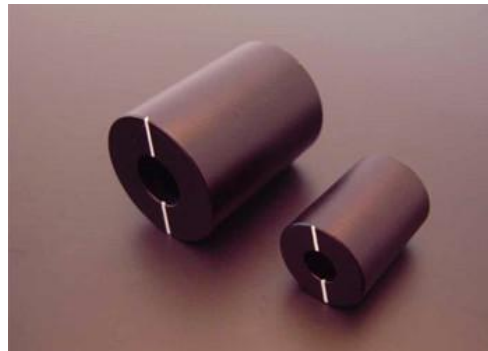
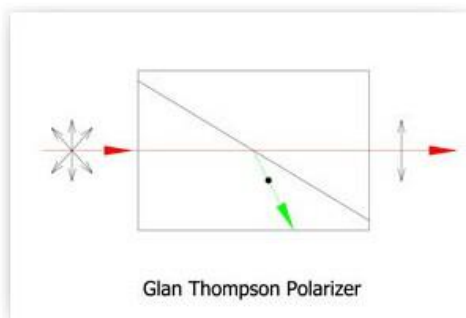


Glan Thompson Polarizers of Calcite and alpha-BBO Crystal

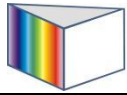
- **Widest Field Angle**
- **Cemented, Suitable for low power application**
- **High Polarization Purity**

Glan Thompson Polarizer Beamsplitter Cube is made of two calcite prisms cemented together. It have been arranged to permit their output of the s-polarized beam at 45 ° from the straight through p-polarized beam. They provide high polarization purity and high transmission in the two emerging beams. These are useful if it is required to utilize both linear polarization states. They are mounted in a rectangular metal cell and surrounded with an absorbing compound. The stocked modules are available in Hangzhou Shalom EO in fast delivery and low cost.



SPECIFICATIONS

Specifications	
Material	a-BBO, Calcite
Wavelength Range	a-BBO: 200~3500 nm Calcite: 350~2300 nm
Extinction Ratio	a-BBO: <math> < 5 \times 10^{-6}</math> Calcite: <math> < 5 \times 10^{-5}</math>
Surface Quality	20 / 10
Parellelism	<math> < 1 \text{ arc Min}</math>
Beam Deviation	<math> < 3 \text{ arc minutes}</math>
Wavefornt Distortion	<math> 4="" 633\text{nm}<="" @="" \lambda="" math><="" td=""> </math>>
Wavefornt Distortion	>200 MW/cm ²
Coating	Single MgF ₂
Mount	Black Anodized Aluminium



1. Calcite Glan Thompson Polarizer (350-2300nm)

Part No.	Wavelength Range(nm)	Extinction Ratio	Angular Field	C.A.φa (mm)	O.D.φd (mm)	L (mm)
PGM2106	350~2300nm	<5x10 ⁻⁶	> 14-16°	6.0	15.0	22.0
PGM2108				8.0	25.4	28.0
PGM2110				10.0	25.4	33.0
PGM2112				12.7	25.4	39.0
PGM2115				15.0	30.0	45.5
PGM2206	350~2300nm	<5x10 ⁻⁶	> 25-28°	6.0	15.0	26.0
PGM2208				8.0	25.4	32.0
PGM2210				10.0	25.4	38.0
PGM2212				12.7	25.4	46.0
PGM2215				15.0	30.0	53.0

2. a-BBO Glan Thompson Polarizer (200-1100nm)

Part No.	Wavelength Range	Extinction Ratio	Angular Field	C.A. φa (mm)	O.D. φd (mm)	L (mm)
PGM1006	350~2300nm	<5x10 ⁻⁶	> 15°	6.0	15.0	22.0
PGM1008				8.0	25.4	28.0
PGM1010				10.0	25.4	33.0
PGM1012				12.7	25.4	39.0
PGM1015				15.0	30.0	45.5