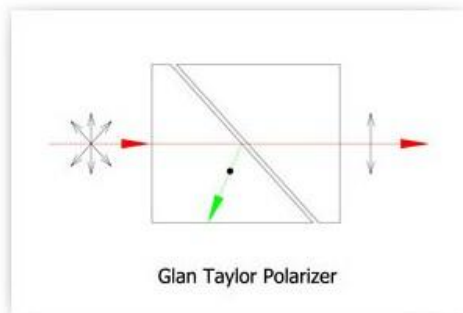


Glan Taylor Polarizers of Calcite; alpha BBO and YVO Crystal

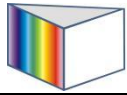
Glan Taylor polarizer is made of two birefringent prisms that are assembled with an air space. The polarizer with no side escape windows is suitable for low to medium power application where the side rejected beams are not required.

Hangzhou Shalom EO offers the high quality Glan Taylor prisms and polarizers, the stocked modules are available for your selection in fast delivery and low cost.



Features

- Air-spaced
- Close to Brewster's Angle Cutting
- High Polarization Purity
- Short Length
- Wide Wavelength Range
- Suitable for low to medium power application



1. a-BBO Glan Taylor Polarizer

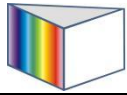
Part No.	Wavelength Range(nm)	Extinction Ratio	Angular Field	C.A.φa (mm)	O.D.φd (mm)		L (mm)
PGT1206	200~270	<5x10 ⁻⁶	>6.0°	6.0	15.0	15.0	
PGT1208				8.0	25.4	17.0	
PGT1210				10.0	25.4	19.0	
PGT1212				12.7	25.4	21.0	
PGT1215				15.0	30.0	23.0	
PGT1306	300~700	<5x10 ⁻⁶	>6.0°	6.0	15.0	15.0	
PGT1308				8.0	25.4	17.0	
PGT1310				10.0	25.4	19.0	
PGT1312				12.0	25.4	21.0	
PGT1315				15.0	30.0	23.0	
PGT1320				20.0	38.0	29.0	
PGT1706	700~3000	<5x10 ⁻⁶	>6.0°	6.0	15.0	15.0	
PGT1708				8.0	25.4	17.0	
PGT1710				10.0	25.4	19.0	
PGT1712				12.0	25.4	21.0	
PGT1715				15.0	30.0	23.0	
PGT1720				20.0	38.0	29.0	

2. Calcite Glan Taylor Polarizer

Part No.	Wavelength Range(nm)	Extinction Ratio	Angular Field	C.A.φa (mm)	O.D.φd (mm)	L (mm)
PGT2006	350~2300	<5x10 ⁻⁶	>7.7°	6.0	15.0	15.0
PGT2008				8.0	25.4	17.0
PGT2010				10.0	25.4	19.0
PGT2012				12.7	25.4	21.0
PGT2015				15.0	30.0	23.0
PGT2020				20.0	38.0	29.0

3. Yvo4 Glan Taylor Polarizer

Part No.	Wavelength Range(nm)	Extinction Ratio	Angular Field	C.A.φa (mm)	O.D.φd (mm)	L (mm)
PGT3006	500~4000	<5x10 ⁻⁶	>6.5°	6.0	15.0	12.0
PGT3008				8.0	25.4	12.0
PGT3010				10.0	25.4	17.0
PGT3012				12.7	25.4	19.0
PGT3015				15.0	30.0	20.0
PGT3020				20.0	38.0	25.0



SPECIFICATIONS

Specifications	
Material	a-BBO, Calcite or YVO 4
Wavelength Range	BBO:200~500 nm Calcite:350~300 nm YVO4:500~000 nm
Extinction Ratio	Calcite:<5x10-5 a-BBO:<5x10-6 YVO 4:<5x10-6
Surface Quality	20 / 10
Parallelism	<1 arc Min
Beam Deviation	< 3 arc minutes
Wavefront Distortion	$\lambda/4@633\text{nm}$
Damage Threshold	>200 MW/cm ²
Coating	Single MgF ₂
Mount	Black Anodized Aluminium