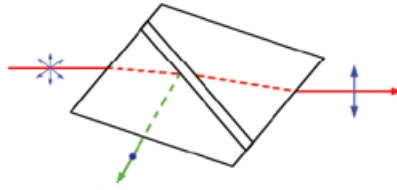


Brewster Polarizer



specially designed a high transmission Glan Laser Polarizer for online_ordering which requires high transmission. The specially designed polarizer is based on the Brewster Cut crystal, which can improve the transmission from normally >85% to 95%. This polarizer can be made from both Calcite and YVO₄.

Specifications:

Material: Calcite or YVO₄

Wavelength Range: Calcite:350-2300nm,YVO₄:400-4000nm

Extinction Ratio: Calcite: <math> < 5 \times 10^{-5}</math>; YVO₄: <math> < 5 \times 10^{-6}</math>

Parallelism: <math> < 1 \text{ arc Min.}</math>

Surface Quality: 20-10

Beam Deviation: <math> < 3 \text{ arc minutes}</math>

Wavefront Distortion:

Damage Threshold: >500MW/cm²

Coating: Uncoated

Transmission: >95%

Mount: Black Anodized Aluminium

P/N	Material	Wavelength	Extinction Ratio	C.A.	O.D.	L
71801	Calcite	350nm~2300nm	<math> < 5 \times 10^{-5}</math>	6	25.4	11.3
71802	Calcite	350nm~2300nm	<math> < 5 \times 10^{-5}</math>	8	25.4	14.8
71803	Calcite	350nm~2300nm	<math> < 5 \times 10^{-5}</math>	10	25.4	18.4
71804	YVO ₄	500nm~4000nm	<math> < 5 \times 10^{-6}</math>	6	25.4	13.2
71805	YVO ₄	500nm~4000nm	<math> < 5 \times 10^{-6}</math>	8	25.4	17.6
71806	YVO ₄	500nm~4000nm	<math> < 5 \times 10^{-6}</math>	10	25.4	22

- Demension unit:mm
- Other sizes and coatings are available upon request.