

532 nm Solid State Laser Polarizers for 56° Incidence

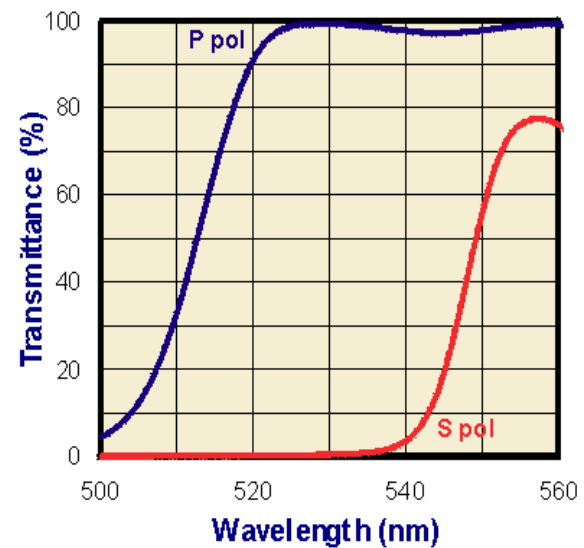
These are high performance, first surface, thin film polarizers designed to work at Brewster's angle in frequency-doubled Nd:YAG and Nd:YVO4 laser based applications and systems. Performance is optimized by tilt tuning.

Advantages

- High extinction ratio
- High efficiency
- Superior laser damage resistance
- Excellent mechanical durability

Common Specifications

Angle of Incidence	±3°
Clear Aperture	85% best fit ellipse
Flatness	λ/10 at 633 nm
Length/Width Tolerance	+0.00, -0.13 mm
Material	Fused Silica
Surface Quality	10-5
Thickness Tolerance	±0.25 mm
Wavefront Distortion	λ/8 at 633 nm
Wedge	<5 arc minutes
Surface 1 Surface Quality	10-5
Surface 1 Transmission Efficiency	Tp>97%, Rs >99.5 at 532 nm
Surface 1 Extinction Ratio	200:1 at 532 nm
Surface 1 Angle Of Incidence	56°±3°
Surface 2 Coating	None



Part Number	Dimensions	Thickness	Price
PL4520	28.6 x 14.3	3.2	\$445.00

