

## Broadband, Ultrafast Laser Polarizers (Tp Bias)

These are high performance, first surface, thin film polarizers designed to work at Brewster's angle in Ti:S ultrafast laser based applications and systems. Performance is optimized by tilt tuning.

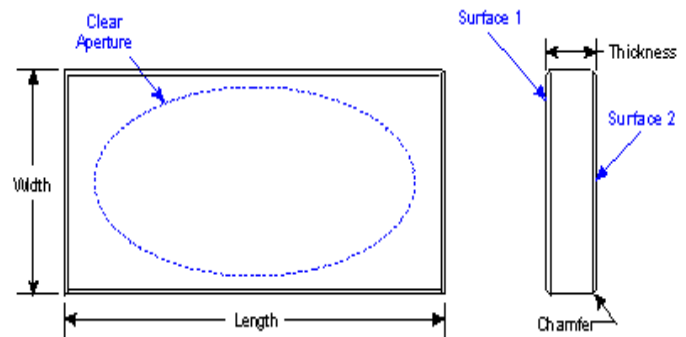
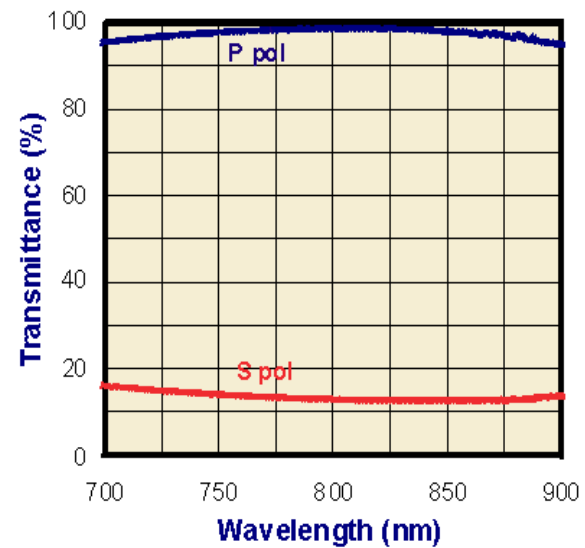
### Advantages

- Wide spectral bandwidth
- Minimal group velocity dispersion
- High extinction ratio
- High efficiency
- Superior laser damage resistance
- Excellent mechanical durability

### Common Specifications

Angle of Incidence	$70^{\circ} \pm 3^{\circ}$
Clear Aperture	85% best fit ellipse
Flatness	$\lambda/10$ at 633 nm
Length/Width Tolerance	+0.00, -0.13 mm
Material	Fused Silica
Surface Quality	10-5
Thickness Tolerance	$\pm 0.25$ mm
Wavefront Distortion	$\lambda/8$ at 633 nm
Wedge	<5 arc minutes
Transmission Efficiency	$T_p > 98\%$ , $R_s > 75\%$ @ 740 – 860 nm

Part Number	Dimensions	Thickness	Price
PL6020	28.6 x 14.3	3.2	\$495.00



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