

## 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.

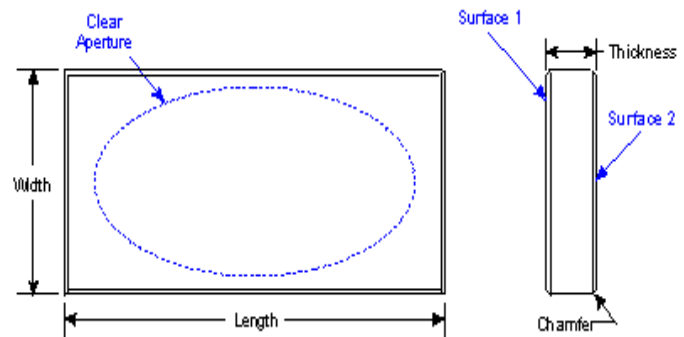
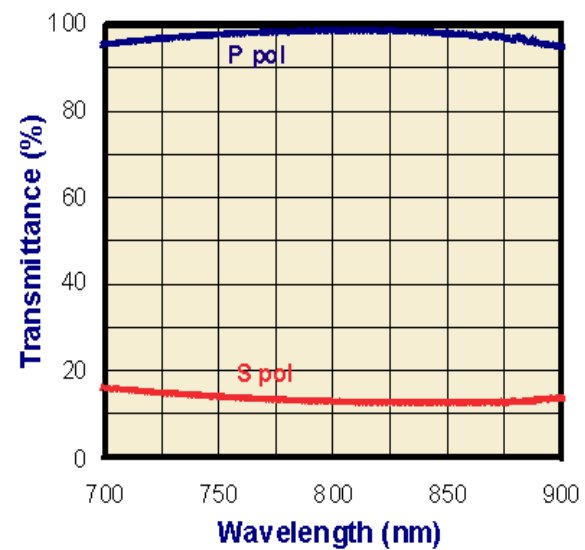
### Advantages

- 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°±3°
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	±0.25 mm
Wavefront Distortion	$\lambda/8$ at 633 nm
Wedge	<5 arc minutes
Transmission Efficiency	Tp>98%, Rs >75% @ 740 – 860 nm

Part Number	Dimensions	Thickness
PL6020	28.6 x 14.3	3.2



Alpine Research Optics, 6810 Winchester Circle, Boulder, Colorado 80301

sales@arocorp.com 303-444-3420

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東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング TEL:03-3356-1064  
大阪営業所 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館 TEL:06-6305-2064  
名古屋営業所 〒450-0002 名古屋市中村区名駅2-37-21 東海ソフトビル TEL:052-569-6064

E-mail: info@optoscience.com