

Lasers
Laser Components
Laser Optics

# THIN FILM PLATE POLARIZERS

Laser Mirror  
Substrates

High Power  
Laser Windows

High Energy  
Laser Mirrors

Thin Film Plate  
Polarizers

High Energy  
Beamsplitter

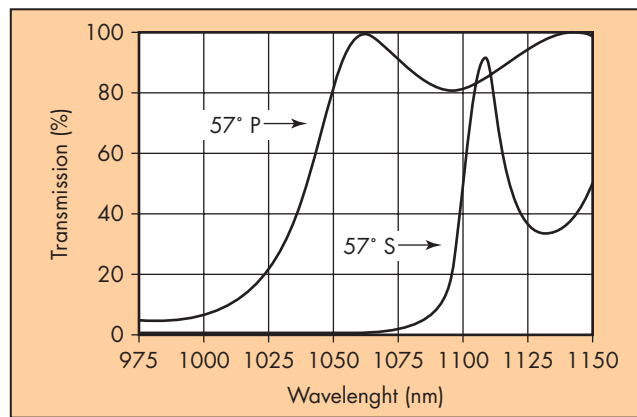
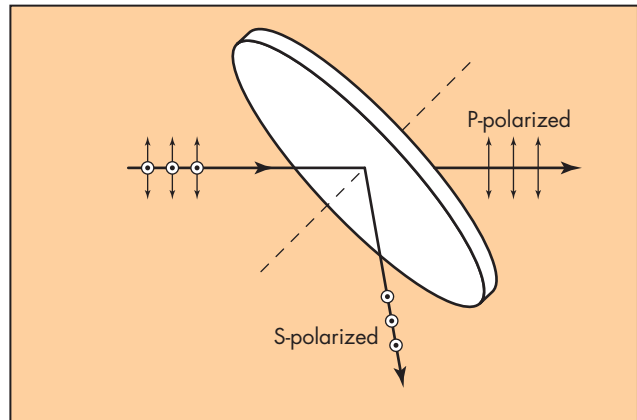
Harmonic  
Separators

KDP, DKDP  
Crystals

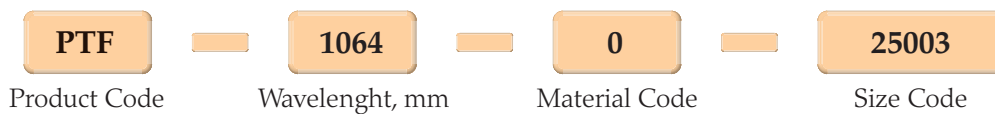
KTP Crystals

## SPECIFICATIONS

Substrate Material	BK7 glass
Surface Figure	$\lambda/10$ at 633 nm
Transmitted Wavefront	$\lambda/8$ at 633 nm
Surface Quality	20-10 laser quality
Diameter Tolerance	+0.00 mm, -0.25 mm
Thickness Tolerance	$\pm 0.25$ mm
Wedge	$\leq 5$ minutes
Chamfer	0.35 mm at 45° typical
Clear Aperture	Exceeds central 85% of dimension
Angle of Incidence	57 $\pm 2^\circ$ Angle tuning is required to achieve reflection and transmission specifications
Damage Threshold	8 J/cm <sup>2</sup> , 10 nsec pulse at 1064 nm typical.



Describe your wavelength and dimension with our specification blocks:



Product number	Wavelength, nm	Material code	Dimension, mm	Thickness, mm
PTF-1064-0-221403	1064	0	22x14	3
PTF-1064-0-25003	1064	0	25.0	3
PTF-1064-0-30006	1064	0	30.0	6
PTF-1064-0-50008	1064	0	50.0	8
PTF-532-0-221403	532	0	22x14	3
PTF-532-0-25003	532	0	25.0	3
PTF-532-0-30006	532	0	30.0	6
PTF-532-0-50008	532	0	50.0	8

Other wavelengths and dimensions are available on request.