



**Technical
Data Sheet**

High Precision Laser Polarizer Coatings
TFP / Thin Film Polarizer

**Short
Description**

TFPs offer the separation of s-polarized from p-polarized light with an excellent extinction ratio of 200:1 up to 5000:1. Typical angle of incidence is 55.6° for Fused Silica, but other specifications are possible. Contact us for customized specifications tailored to your needs.

The TFPs are fabricated with NANEO's proprietary precision coating technology on IBS (Ion Beam Sputtering) coating machines. NANEO achieves unique layer thickness precision. IBS provides the most dense, low loss, stable and durable optical coatings among the optical coating technologies.

**Design
Specifications**

Wavelength:	Range from 500 up to 1500nm
Reflection:	Rs up to > 99,95%
Transmission:	Tp up to > 99,9%
Extinction ratio:	Tp / Ts = range from 200 up to 5000
Angle of incidence:	45° - 75° / Brewster angle
Substrates:	customized substrates

**Example
Design**

Type:	TFP-1025-1035 / 1000:1-55°
Reflection:	Rs > 99,9% @ 1025-1035nm
Transmission:	Tp > 99,7% @ 1025-1035nm
Extinction Ratio:	1000 : 1
AOI:	55,6°
	customized design

