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**TECHSPEC® 800nm, 12.7mm Dia., 45° Thin Film Polarizer**



TECHSPEC® Ultrafast Thin Film Polarizers

Stock #13-054 **12 In Stock**

⊖ 1 ⊕ €373<sup>00</sup>

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Volume Pricing	
Qty 1-4	€373,00 each
Qty 5-9	€330,00 each
Qty 10+	€292,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

12.70 +0.00/-0.10 **Diameter (mm):**

**Thickness (mm):**

3.00 ±0.10

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

## Optical Properties

45 ±1 **Angle of Incidence (°):**

Thin Film Polarizer (800nm) **Coating:**

800 **Design Wavelength DWL (nm):**

1000:1 **Extinction Ratio:**

**Fused Silica** (Corning 7980) **Substrate:** □

10-5 **Surface Quality:**

M10 @ 633nm **Transmitted Wavefront, P-V:**

**Coating Specification:**

S1: R<sub>s</sub> >99.8% @ 800nm, T<sub>p</sub> >98% @ 800nm

S2: R<sub>p</sub> <0.1% @ 800nm

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Ideal for Ti:sapphire and Yb:doped Ultrafast Lasers
- Optimized for Separation of S and P Polarizations at 45° AOI
- High Extinction Ratio of 1000:1 @ DWL

TECHSPEC® Ultrafast Thin Film Polarizers utilize thin film coating technology to achieve optimal performance at 800 and 1030nm. The ion beam sputtering (IBS) coating on these polarizers provides >99.8% reflectance of the s-polarization and >98% transmission of the p-polarization at a 45° angle of incidence. TECHSPEC Ultrafast Thin Film Polarizers are ideal to use with ultrafast laser sources such as Ti:sapphire and Yb:doped lasers. Please contact us if your application requires an Ultrafast Thin Film Polarizer with a custom size or coating specifications.

**Note:** The arrow on the edge of these optics points towards the thin film polarizer coating.

## Coating Curves