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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 ⊕ £298⁴⁰

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Volume Pricing	
Qty 1-4	£298.40 each
Qty 5-9	£264.00 each
Qty 10+	£233.60 each
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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_s >99.8% @ 800nm, T_p >98% @ 800nm

S2: R_p <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