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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 ⊕ A\$596⁰⁰

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Volume Pricing	
Qty 1-4	A\$596.80 each
Qty 5-9	A\$528.00 each
Qty 10+	A\$467.20 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

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

3.00 ±0.10 **Thickness (mm):**

Parallelism (arcmin):

<3

Clear Aperture (%):

85

Optical Properties

Angle of Incidence (°):

45 ±1

Coating:

Thin Film Polarizer (800nm)

Design Wavelength DWL (nm):

800

Extinction Ratio:

1000:1

Substrate:

Fused Silica (Corning 7980)

Surface Quality:

10-5

Transmitted Wavefront, P-V:

M10 @ 633nm

Coating Specification:

S1: R_s >99.8% @ 800nm, T_p >98% @ 800nm

S2: R_p <0.1% @ 800nm

Regulatory Compliance

Certificate of Conformance:

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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

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