

[See all 4 Products in Family](#)

TECHSPEC® 1030nm, 25.4mm Dia., 45° Thin Film Polarizer



TECHSPEC® Ultrafast Thin Film Polarizers

Stock #12-992 **5 In Stock**

⊖ 1 ⊕ **\$651⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-4	\$651.00 each
Qty 5-9	\$582.40 each
Qty 10+	\$522.20 each
Need More?	Request Quote

Product Downloads

General

Linear Polarizer

Type:

Physical & Mechanical Properties

25.40 +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 (1030nm)

Design Wavelength DWL (nm):

1030

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% @ 1030nm, T_p >98% @ 1030nm

S2: R_p <0.1% @ 1030nm

Regulatory Compliance

Certificate of Conformance:

[View](#)

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

;