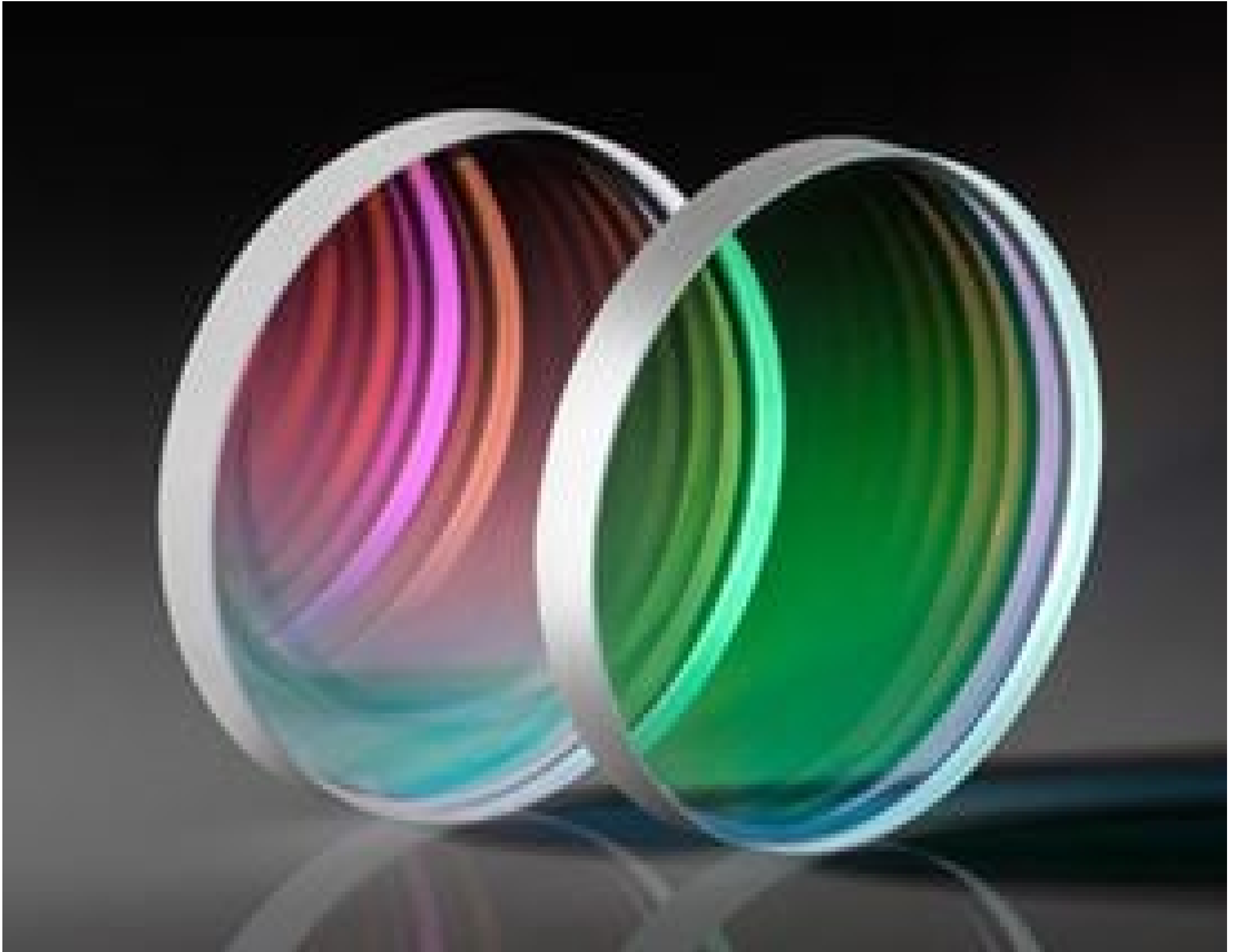


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TECHSPEC® 1030nm, 12.7mm Dia., 45° Thin Film Polarizer



TECHSPEC® Ultrafast Thin Film Polarizers

Stock #13-055 **20+ In Stock**

C\$522²⁰

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Volume Pricing	
Qty 1-4	C\$522.20 each
Qty 5-9	C\$462.00 each
Qty 10+	C\$408.80 each
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Product Downloads

General

Linear Polarizer Type:

Physical & Mechanical Properties

12.70 +0.00/-0.10 Diameter (mm):

3.00 ±0.10 Thickness (mm):

<3 Parallelism (arcmin):

85 Clear Aperture (%):

Optical Properties

45 ±1 Angle of Incidence (°):

Thin Film Polarizer (1030nm) Coating:

1030 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: $R_s > 99.8\%$ @ 1030nm, $T_p > 98\%$ @ 1030nm
S2: $R_p < 0.1\%$ @ 1030nm

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