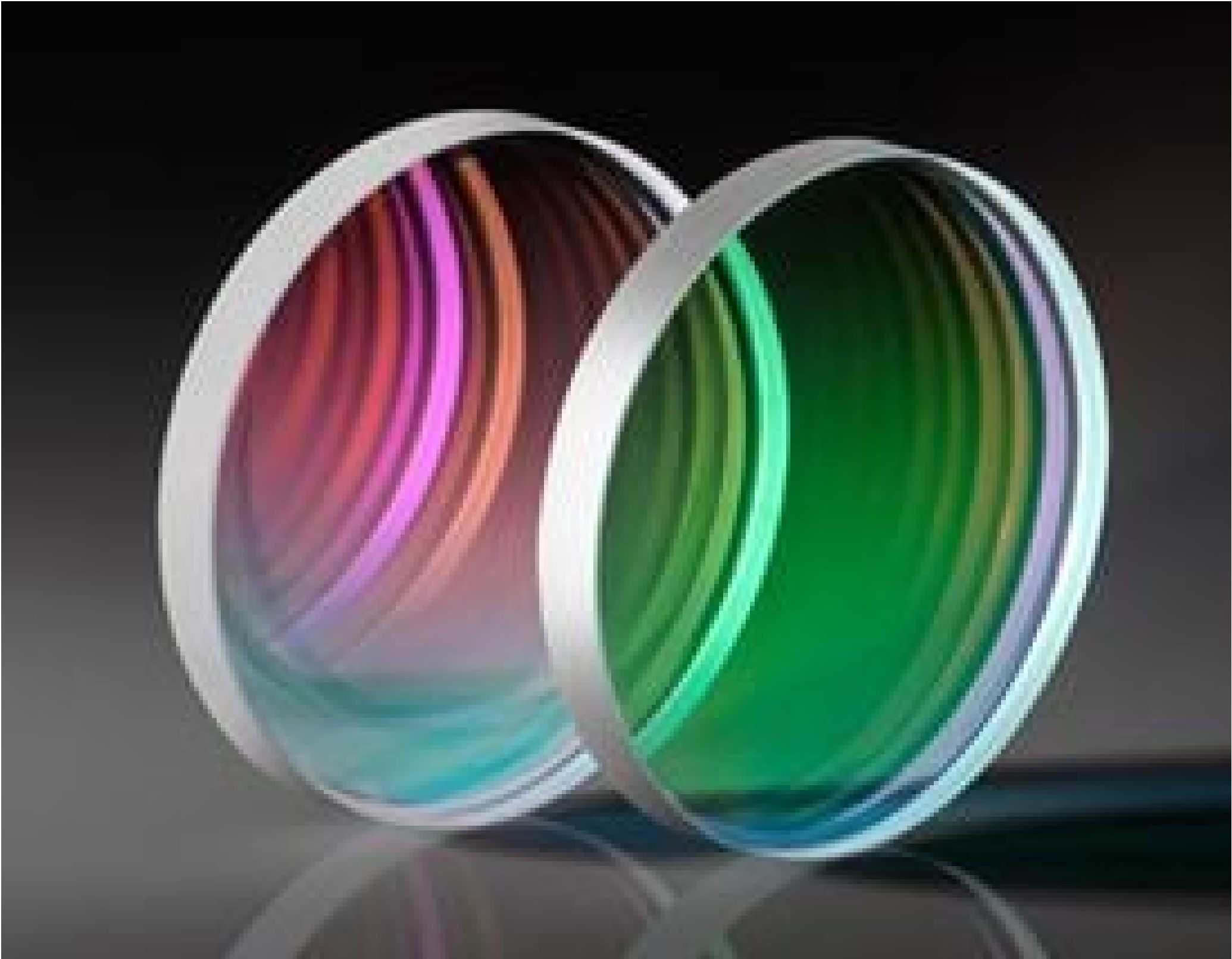


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TECHSPEC® 800nm, 12.7mm Dia., 45° Thin Film Polarizer



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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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 (800nm)	Coating:
800	Design Wavelength DWL (nm):
1000:1	Extinction Ratio:
Fused Silica (Corning 7980)	Substrate: □
10-5	Surface Quality:
λ/10 @ 633nm	Transmitted Wavefront, P-V:
S1: R _s >99.8% @ 800nm, T _p >98% @ 800nm S2: R _p <0.1% @ 800nm	Coating Specification:
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