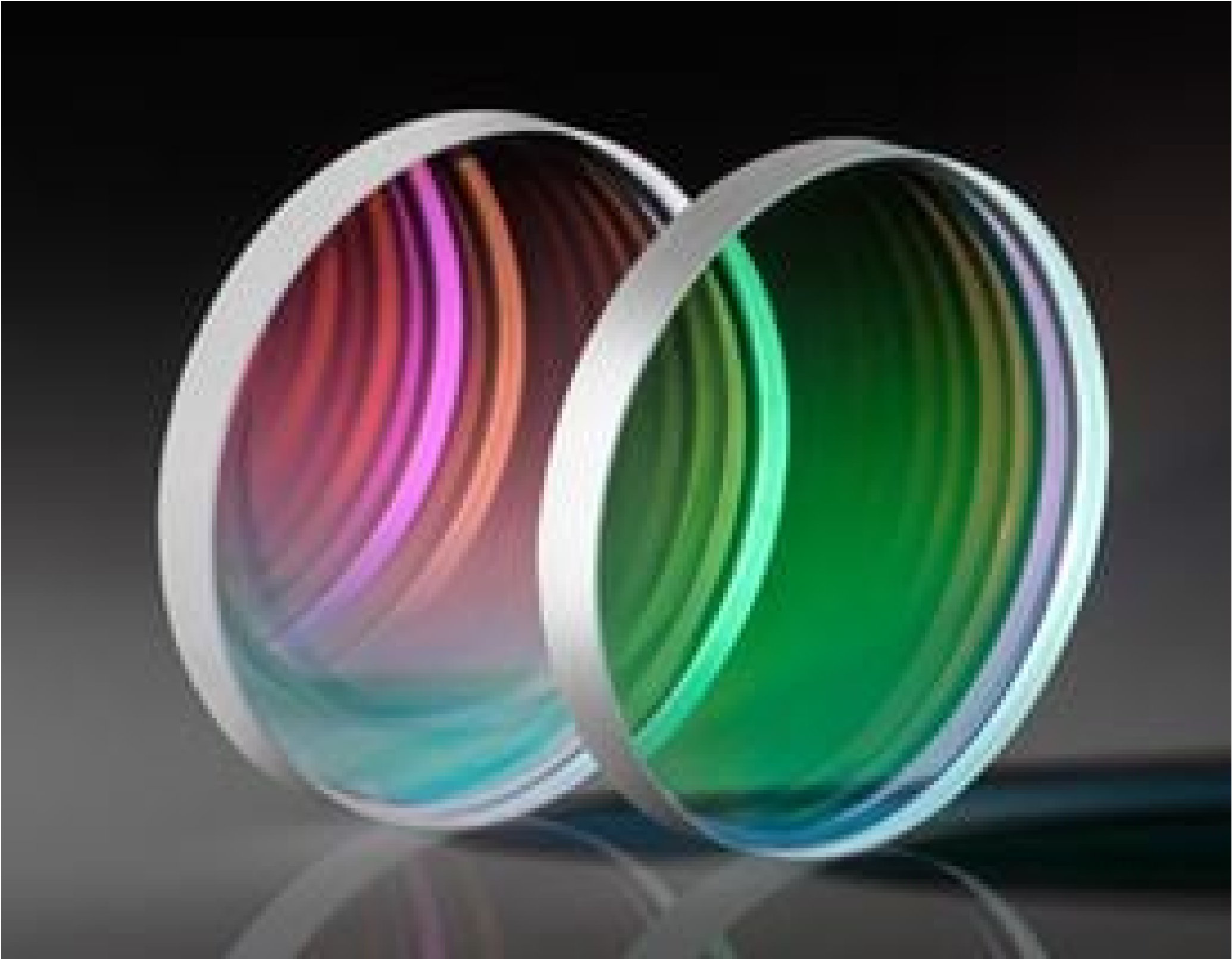


TECHSPEC<sup>®</sup> 800nm, 12.7mm Dia., 45° Thin Film Polarizer



TECHSPEC<sup>®</sup> Ultrafast Thin Film Polarizers

Stock #13-054 12 In Stock

-

1

+

₹26,858

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | ₹26,858 each                  |
| Qty 5-9        | ₹23,744 each                  |
| Qty 10+        | ₹21,020 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 Dielectric                                                                                                         | Coating:                        |
| 800                                                                                                                          | Design Wavelength DWL (nm):     |
| 1000:1                                                                                                                       | Extinction Ratio:               |
| Fused Silica (Corning 7980)                                                                                                  | Substrate: <input type="text"/> |
| 10-5                                                                                                                         | Surface Quality:                |
| N/10 @ 633nm                                                                                                                 | Transmitted Wavefront, P-V:     |
| Coating Specification:<br>S1: R <sub>s</sub> >99.8% @ 800nm, T <sub>p</sub> >98% @ 800nm<br>S2: R <sub>p</sub> <0.1% @ 800nm |                                 |
| Regulatory Compliance                                                                                                        |                                 |
| View                                                                                                                         | Certificate of Conformance:     |
| Lithuania                                                                                                                    | Country of Origin:              |
| Edmund Optics India Private Limited                                                                                          | Imported By:                    |

## 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.

## Technical Information

