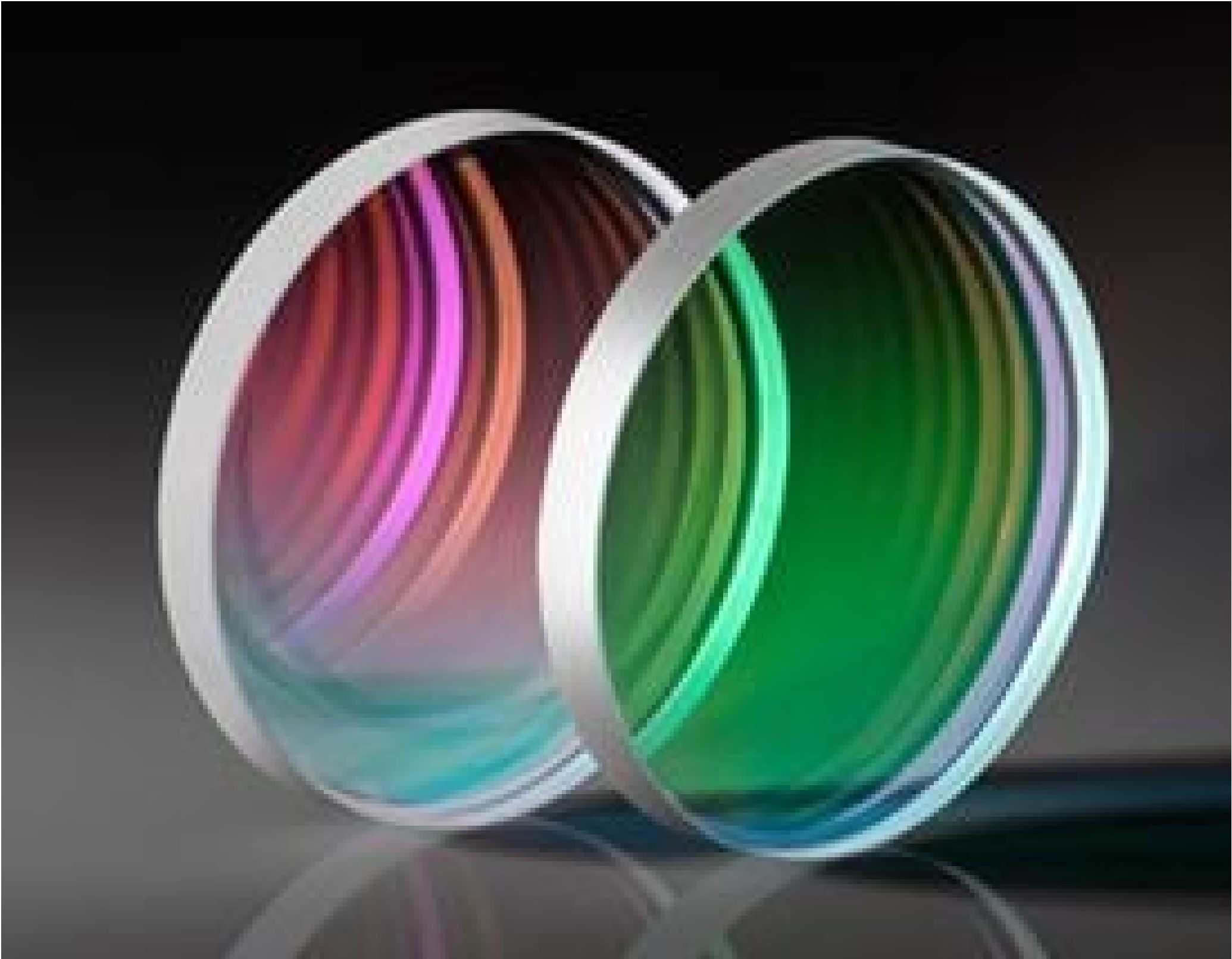


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TECHSPEC<sup>®</sup>

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



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

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

-

1

+

C\$522<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | C\$522.20 each                |
| Qty 5-9        | C\$462.00 each                |
| Qty 10+        | C\$408.80 each                |
| Need More?     | <a href="#">Request Quote</a> |

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: <div></div>      |
| 10-5                                                                                                                            | Surface Quality:            |
| M10 @ 633nm                                                                                                                     | Transmitted Wavefront, P-V: |
| Coating Specification:<br>S1: R <sub>s</sub> >99.8% @ 1030nm, T <sub>p</sub> >98% @ 1030nm<br>S2: R <sub>p</sub> <0.1% @ 1030nm |                             |
| Regulatory Compliance                                                                                                           |                             |
| <a href="#">View</a>                                                                                                            | Certificate of Conformance: |

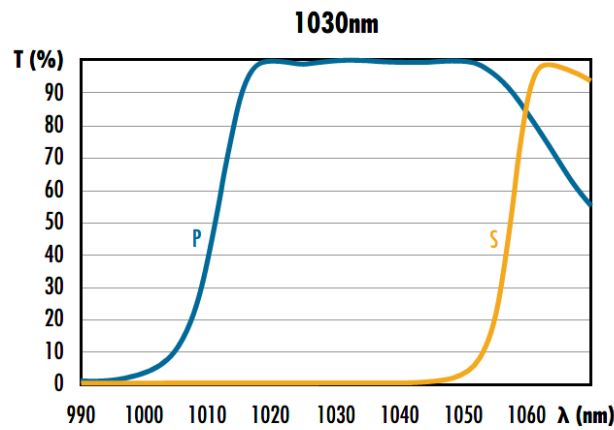
## Product Details

- 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.

## Technical Information



## Coating Curves