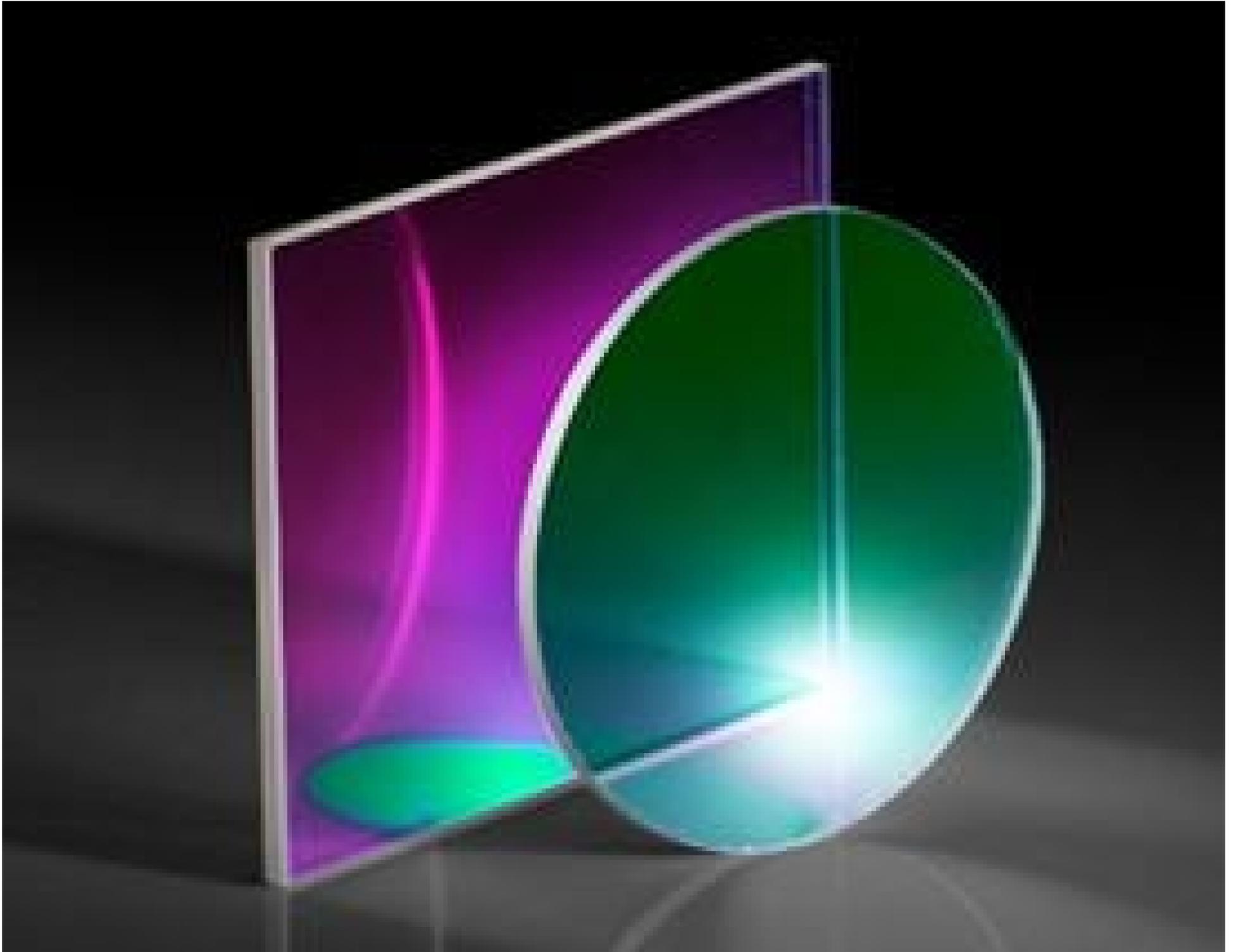


**TECHSPEC® 600nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter**



TECHSPEC® Low GDD Dichroic Shortpass Ultrafast Filters

Stock #13-999 **7 In Stock**

⊖ 1 ⊕ ₹14,636

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Volume Pricing	
Qty 1-5	₹14,636 each
Qty 6+	₹11,678 each
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**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

25.00 **Diameter (mm):**

1.05 ±0.1 **Thickness (mm):**

**Dimensional Tolerance (mm):**

+0.0/-0.2

## Optical Properties

45 **Angle of Incidence (°):**

600.00 **Cut-Off Wavelength (nm):**

**Substrate:**   
[Fused Silica](#) (Corning 7980)

Hard Coated **Coating:**

>80 **P-Polarization Transmission (%):**

>97 Average Polarization **Reflection (%):**

625 - 795 **Reflection Wavelength (nm):**

>80 **S-Polarization Transmission (%):**

60-40 **Surface Quality:**

>85 Average Polarization **Transmission (%):**

400 - 580 **Transmission Wavelength (nm):**

$\lambda/4$  **Transmitted Wavefront, RMS:**

3.00 **Slope Factor (%):**

$\pm 2$  **Cut-Off Tolerance (%):**

>95 **S-Polarization Reflection (%):**

>95 **P-Polarization Reflection (%):**

**Coating Specification:**  
Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated

400 - 795 **Wavelength Range (nm):**

**GDD Specification (Transmission):**  
80  $\pm 30\text{fs}^2$  @ 410 - 580nm  
120  $\pm 80\text{fs}^2$  @ 400 - 580nm

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 235:**

United States **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

## Product Details

- Reduced Thickness for Limited GDD
- Broad Transmission and Reflection Ranges
- Ideal for Ultrafast Laser Applications
- Controlled GDD Specification Using [In-House Metrology](#)

TECHSPEC® Low GDD Dichroic Shortpass Ultrafast Filters feature thin substrates and a low group delay dispersion (GDD) coating, making them ideal for use with ultrafast laser sources. Designed for a 45° angle of incidence and covering a range of wavelengths, these spectral filters can be used with Ti:sapphire, Nd:doped, and Yb:doped fiber or glass lasers, as well as with optical parametric oscillators and amplifiers. TECHSPEC Low GDD Dichroic Shortpass Ultrafast Filters are ideal for ultrafast laser applications including multi-photon microscopy, nonlinear fluorescence, and femtosecond stimulated Raman spectroscopy. Please contact us if your application requires an ultrafast optical filter with a custom size or wavelength range.

**Note:** These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 1 J/cm<sup>2</sup> @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Compatible Mounts

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