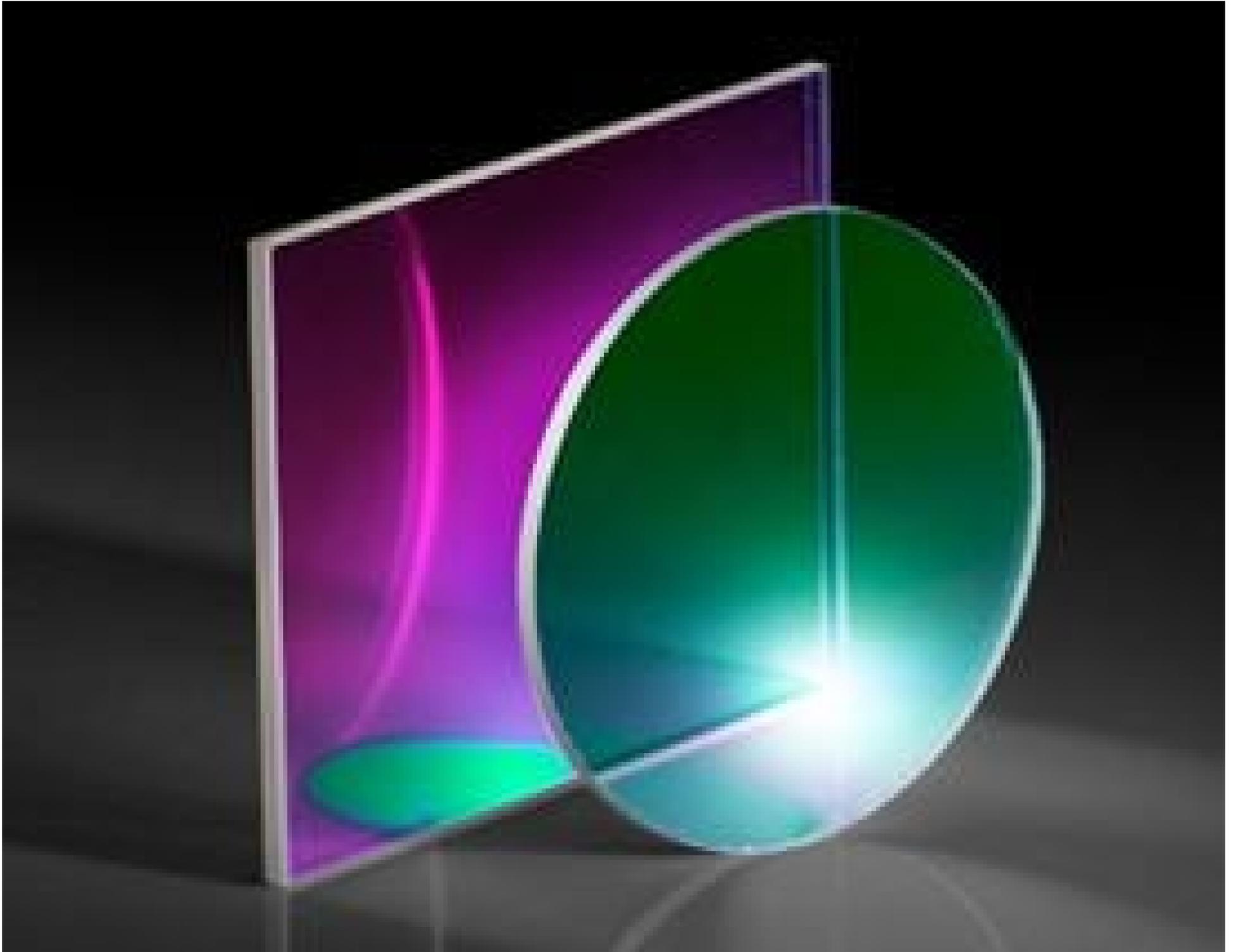


TECHSPEC® 700nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter



TECHSPEC® Low GDD Dichroic Shortpass Ultrafast Filters

Stock **#14-002** **1 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):

Optical Properties

45 **Angle of Incidence (°):**

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

Substrate:
Fused Silica (Corning 7980)

Hard Coated **Coating:**

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

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

725 - 900 **Reflection Wavelength (nm):**

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

60-40 **Surface Quality:**

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

400 - 680 **Transmission Wavelength (nm):**

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

3.00 **Slope Factor (%):**

± 2 **Cut-Off Tolerance (%):**

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

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

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

400 - 900 **Wavelength Range (nm):**

GDD Specification (Transmission):
80 $\pm 30\text{fs}^2$ @ 450 - 680nm
120 $\pm 80\text{fs}^2$ @ 400 - 680nm

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 235:**

United States **Country of Origin:**

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

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](#).

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^2 @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

Compatible Mounts
