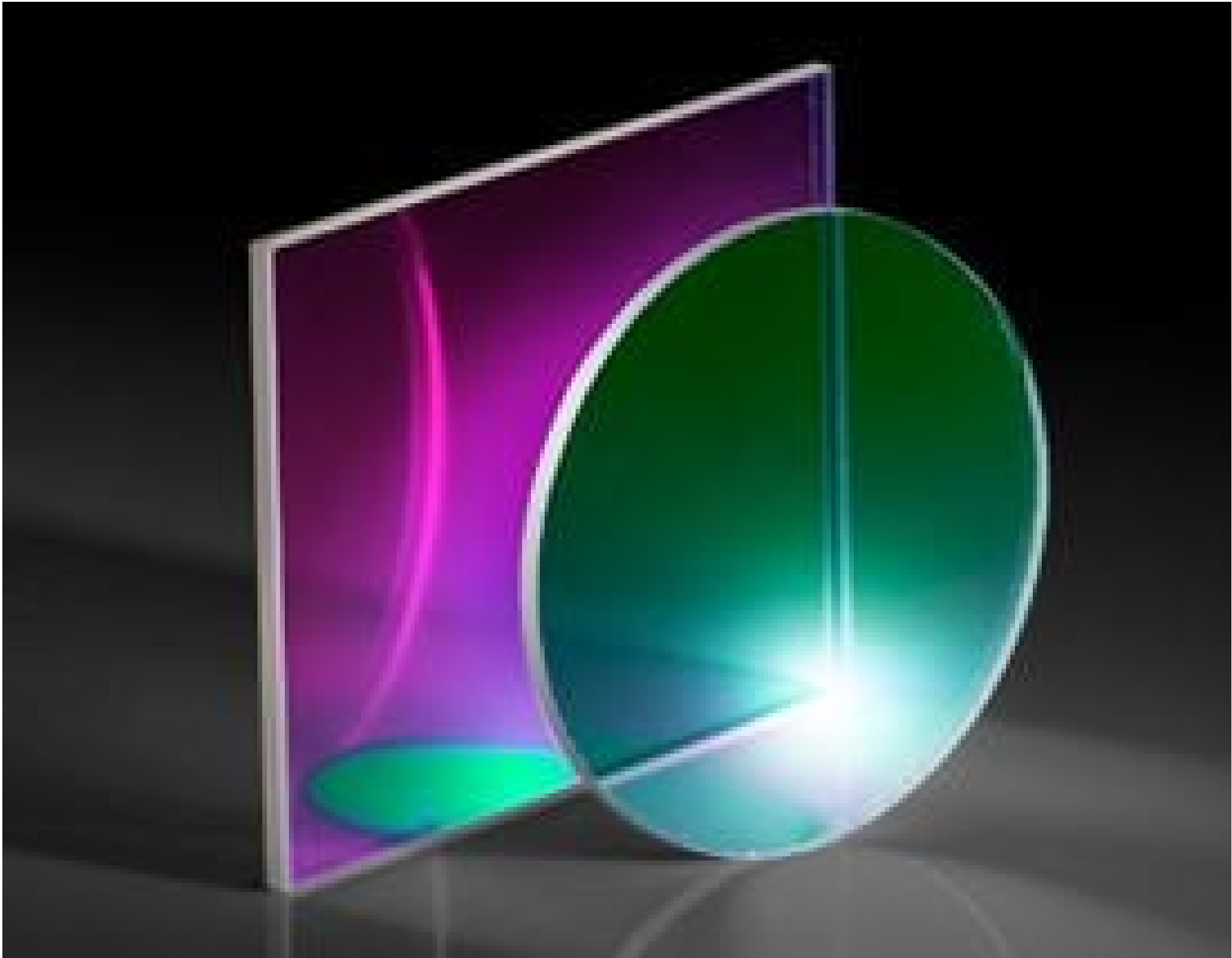


TECHSPEC<sup>®</sup> 650nm, 25.2 x 35.6mm, Low GDD Dichroic Shortpass Ultrafast Filter



TECHSPEC<sup>®</sup> Low GDD Dichroic Shortpass Ultrafast Filters

Stock **#14-012** [CONTACT US](#)

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+

₹16,193

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹16,193 each                  |
| Qty 6+         | ₹12,923 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:  
Dichroic Filter

Physical & Mechanical Properties

Dimensions (mm):

|                                                                             |                                     |
|-----------------------------------------------------------------------------|-------------------------------------|
| 25.2 x 35.6                                                                 |                                     |
| 35.60                                                                       | Length (mm):                        |
| 1.05 ±0.1                                                                   | Thickness (mm):                     |
| 25.20                                                                       | Width (mm):                         |
| +0.0/-0.2                                                                   | Dimensional Tolerance (mm):         |
| Optical Properties                                                          |                                     |
| 45                                                                          | Angle of Incidence (°):             |
| 650.00                                                                      | Cut-Off Wavelength (nm):            |
| Fused Silica (Corning 7980)                                                 | Substrate: <input type="checkbox"/> |
| Hard Coated                                                                 | Coating:                            |
| >80                                                                         | P-Polarization Transmission (%):    |
| >97 Average Polarization                                                    | Reflection (%):                     |
| 675 - 850                                                                   | Reflection Wavelength (nm):         |
| >80                                                                         | S-Polarization Transmission (%):    |
| 60-40                                                                       | Surface Quality:                    |
| >85 Average Polarization                                                    | Transmission (%):                   |
| 400 - 630                                                                   | Transmission Wavelength (nm):       |
| λ/4                                                                         | Transmitted Wavefront, RMS:         |
| 3.00                                                                        | Slope Factor (%):                   |
| ±2                                                                          | Cut-Off Tolerance (%):              |
| >95                                                                         | S-Polarization Reflection (%):      |
| >95                                                                         | P-Polarization Reflection (%):      |
| Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated                   | Coating Specification:              |
| 400 - 850                                                                   | Wavelength Range (nm):              |
| 80 ±30fs <sup>2</sup> @ 420 - 630nm<br>120 ±80fs <sup>2</sup> @ 400 - 630nm | GDD Specification (Transmission):   |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

## 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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