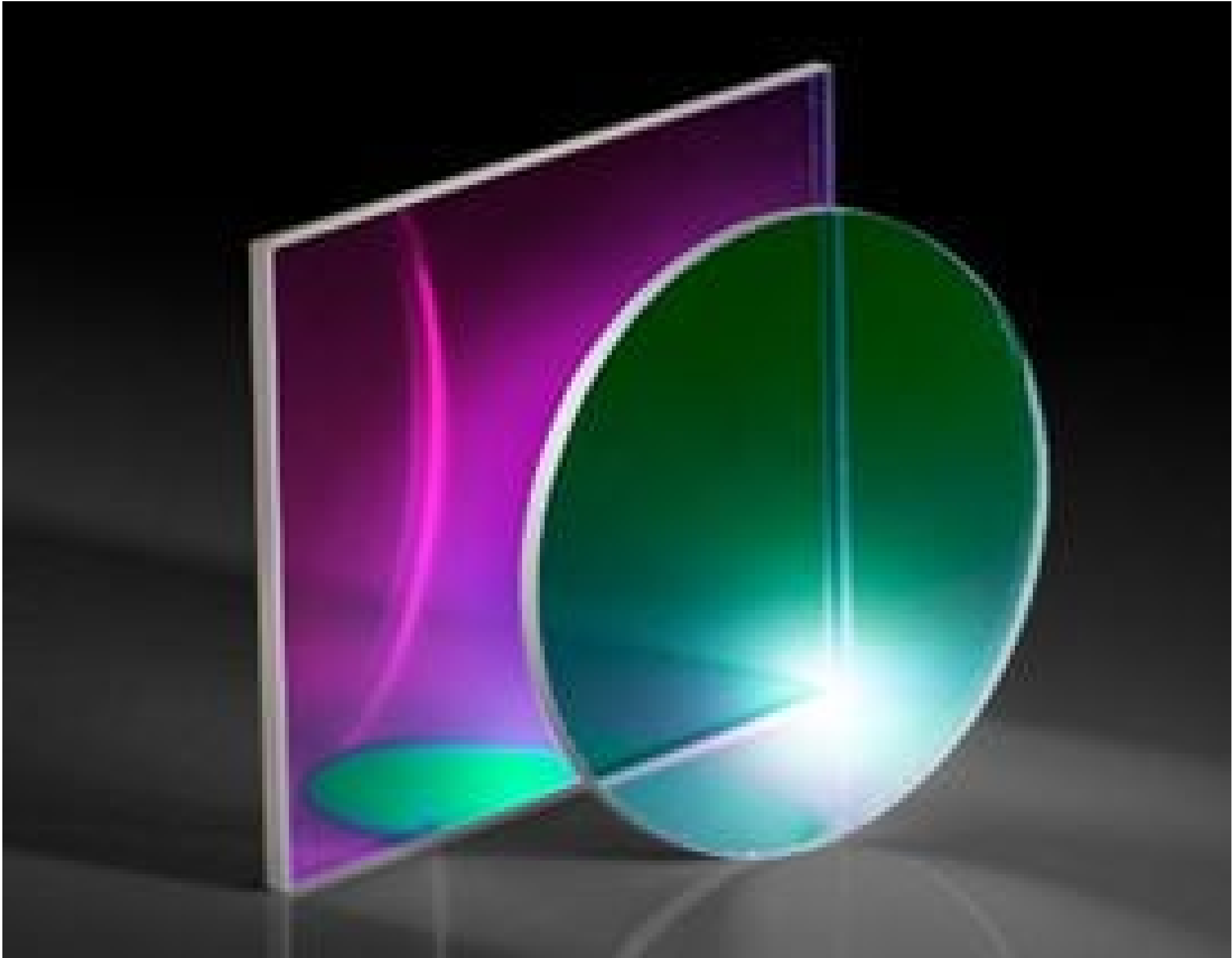


TECHSPEC<sup>®</sup> 1200nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter



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

Stock **#14-035** **1 In Stock**

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1

+

C\$288<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$288.40 each                |
| Qty 6-25       | C\$231.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| 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 (°):             |
| 1,200.00                                                                     | Cut-Off Wavelength (nm):            |
| Fused Silica (Corning 7980)                                                  | Substrate: <input type="checkbox"/> |
| Hard Coated                                                                  | Coating:                            |
| >80                                                                          | P-Polarization Transmission (%):    |
| >97 Average Polarization                                                     | Reflection (%):                     |
| 1260 - 1560                                                                  | Reflection Wavelength (nm):         |
| >80                                                                          | S-Polarization Transmission (%):    |
| 60-40                                                                        | Surface Quality:                    |
| >85 Average Polarization                                                     | Transmission (%):                   |
| 624 - 1152                                                                   | 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:              |
| 624 - 1560                                                                   | Wavelength Range (nm):              |
| 0 ±100fs <sup>2</sup> @ 840 - 1152nm<br>0 ±500fs <sup>2</sup> @ 624 - 1152nm | 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). Atypical 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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