

[See all 26 Products in Family](#)

TECHSPEC[®] 600nm, 25.2 x 35.6mm, Low GDD Dichroic Shortpass Ultrafast Filter



TECHSPEC[®] Low GDD Dichroic Shortpass Ultrafast Filters

Stock **#14-011** 1 In Stock

-

1

+

€228⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€228,00 each
Qty 6-25	€182,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Dichroic Filter

Type:

Physical & Mechanical Properties

25.2 x 35.6

Dimensions (mm):

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 (°):
600.00	Cut-Off Wavelength (nm):
Fused Silica (Corning 7980)	Substrate: ☐
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):
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 - 795	Wavelength Range (nm):
80 ±30fs² @ 410 - 580nm 120 ±80fs² @ 400 - 580nm	GDD Specification (Transmission):

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

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/cm² @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

Compatible Mounts

;