

TECHSPEC[®] 650nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter



TECHSPEC[®] Low GDD Dichroic Shortpass Ultrafast Filters

Stock **#14-001** **2 In Stock**

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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 (°):
650.00	Cut-Off Wavelength (nm):
Fused Silica (Corning 7980)	Substrate: ☐
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 ±30fs² @ 420 - 630nm 120 ±80fs² @ 400 - 630nm	GDD Specification (Transmission):

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). Atypical 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

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