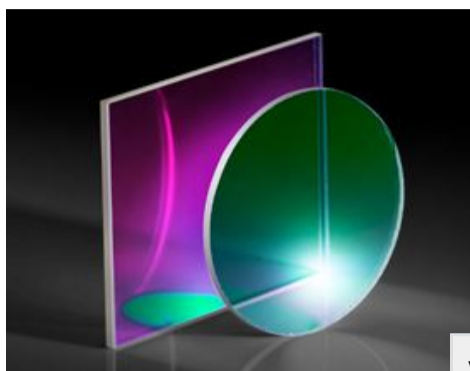


TECHSPEC®

900nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter



TECHSPEC® Low GDD Dichroic Shortpass Ultrafast Filters

Stock #14-006 **1 In Stock**

1

C\$288^{.40}

ADD TO CART

Volume Pricing	
Qty 1-5	C\$288.40 each
Qty 6-25	C\$231.00 each
Need More?	Request Quote

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	Download All

General

Type: Dichroic Filter

Physical & Mechanical Properties

Diameter (mm): 25.00

Thickness (mm): 1.05 ±0.1

Dimensional Tolerance (mm): +0.0/-0.2

Optical Properties

Angle of Incidence (°): 45

Cut-Off Wavelength (nm): 900.00

Substrate: [Fused Silica](#)
(Corning 7980)

Coating: Hard Coated

P-Polarization Transmission (%): >80

Reflection (%): >97 Average Polarization

Reflection Wavelength (nm): 960 - 1170

S-Polarization Transmission (%): >80

Surface Quality: 60-40

Transmission (%): >85 Average Polarization

Transmission Wavelength (nm): 465 - 865

Transmitted Wavefront, RMS: λ/4

Slope Factor (%): 3.00

Cut-Off Tolerance (%): ±2

S-Polarization Reflection (%): >95

P-Polarization Reflection (%): >95

Coating Specification:	Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated	Wavelength Range (nm):	465 - 1170
GDD Specification (Transmission):	80 ±30fs ² @ 610 - 865nm 120 ±80fs ² @ 465 - 865nm		

Regulatory Compliance

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

Need different specs or modifications?

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.

Related Products



Ultrafast Optics

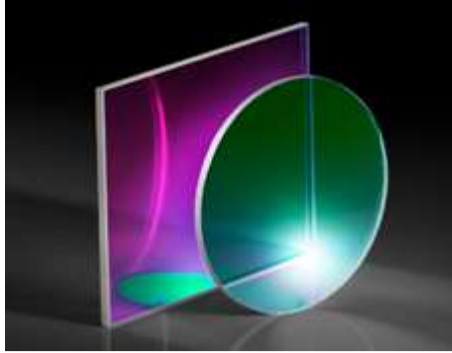


Low GDD Ultrafast Mirrors

Frequently Purchased Together



#65-849 - 20mm, Protected Gold, N-BK7 Right Angle Prism Mirror (Leg Coated)
C\$266.00




#14-017 - 900nm, 25.2 x 35.6mm, Low GDD Dichroic Shortpass Ultrafast Filter
C\$319.20



#37-431 - 25mm Dia., 0.25 Numerical Aperture, Uncoated, Precision Aspheric Lens
C\$516.60

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	C\$45.85 Request Quote	CONTACT US <input type="text" value="1"/>
	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	C\$142.80 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	C\$143.93 Request Quote	2 In Stock <input type="text" value="1"/>
	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	C\$148.40 Request Quote	20+ In Stock <input type="text" value="1"/>
	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	C\$151.20 Request Quote	CONTACT US <input type="text" value="1"/>
	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	C\$162.40 Request Quote	20+ In Stock <input type="text" value="1"/>
	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	C\$168.00 Request Quote	20+ In Stock <input type="text" value="1"/>
	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	C\$219.80 Request Quote	5 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	C\$386.40 Request Quote	CONTACT US <input type="text" value="1"/>
	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	C\$574.00 Request Quote	CONTACT US <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	C\$645.40 Request Quote	4 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	C\$756.00 Request Quote	6 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., 5 Axes	Adjustable - Linear (XYZ) &		#13-776	C\$1,057.00 Request	2 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 MORE+	Optical Mount	Tip-Tilt			Quote	

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Trending in Optics
- Video
- Published Article
- FAQ
- Glossary
- Scientific Paper

CASE STUDIES

Laser Optics for Eye Surgery

APPLICATION NOTE

Basics of Ultrafast Lasers

APPLICATION NOTE

Multiphoton Microscopy

TRENDING IN OPTICS

Ultrafast Highly-Dispersive Mirrors

APPLICATION NOTE

Group Delay Dispersion and White Light Interferometry

APPLICATION NOTE

LIDT for Ultrafast Lasers

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