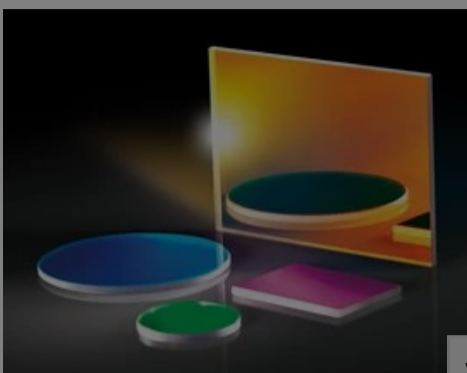


TECHSPEC® 900nm



Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€198^{,00}

ADD TO CART

Volume Pricing	
Qty 1-5	€198,00 each
Qty 6-25	€168,00 each
Qty 26-49	€156,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

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

Dimensions (mm): 25.2 x 35.6

Length (mm): 35.60

Thickness (mm): 1.05 ±0.1

Width (mm): 25.20

Dimensional Tolerance (mm): +0.0/-0.2

Physical Durability: Adhesion per MIL-PRF-13830B, Section C.4.5.12
Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11
Cleaning per MIL-C-48497A Section 4.5.4.2

Optical Properties

Angle of Incidence (°): 45

Cut-On Wavelength (nm): 900.00

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

Coating: Hard Coated

Reflection (%): >97, Average Polarization
>95, Absolute Polarization

Reflection Wavelength (nm): 675 - 855

Surface Quality: 60-40

Transmission (%): >85, Average Polarization
>80, Absolute Polarization

Transmission Wavelength (nm):	935 - 1600	Transmitted Wavefront Tolerance:	$\lambda/4$
Cut-On Tolerance (%):	± 2	Slope Factor:	2.00
Wavelength Range (nm):	675 - 1600		

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Environmental & Durability Factors

Environmental Durability:	Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7
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Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 247:	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

- Ideal for Fluorescence or Multispectral Imaging
- Sharp Cut-On Wavelength
- Broad Transmission and Reflection Ranges

Our TECHSPEC® Dichroic Longpass Filters are designed for a 45° angle of incidence. The rejected light is reflected at 90°, making these filters ideal for use in fluorescence applications or as spectral [beamsplitters](#). These hard coated filters feature low polarization dependence, broad spectral ranges, and a precision fused silica substrate. Reflection and transmission curves are available to easily integrate TECHSPEC® Dichroic Longpass Filters into any application.

Note: The chevron on the edge of the filter points towards surface S1 with the primary filter coating on which the light should be incident.

Hard coatings are used to increase durability while maintaining performance. The hard coating provides Dichroic Longpass Filters with high resistance to humidity, temperature, and abrasion, while also reducing the risk of damage when being handled.

Technical Information

Filter Type	Transmitted Wavefront (RMS)	Surface Quality	Surface Flatness (P-V)	R(avg)	T(avg)
HP Dichroic	$\lambda/10$	40-20	$\lambda/2$	>98%	>90%
Fluorescence Dichroics	1 λ	60-40	-	>98%	>90%
Dichroic Longpass	$\lambda/4$	40-20	-	>97%	>85%

Accessories

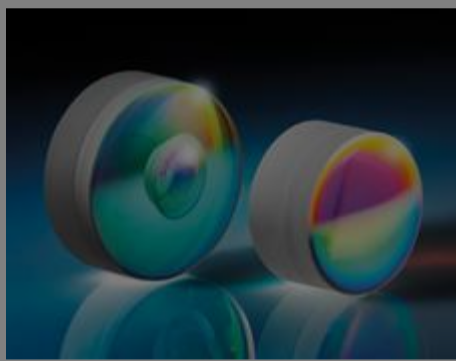
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title		Price	Buy
MORE+	400 - 750nm, 25mm Longpass Filter Kit			CONTACT US 1
MORE+	800 - 1200nm, 25mm Longpass Filter Kit			4 In Stock 1
MORE+	400 - 750nm, 25.2 x 35.6mm, Dichroic Longpass Filter Kit (8 Filters)	#15-104	€1.375,00 Request Quote	CONTACT US 1
MORE+	800 - 1200nm, 25.2 x 35.6mm, Dichroic Longpass Filter Kit (9 Filters)	#15-105	€1.500,00 Request Quote	CONTACT US 1

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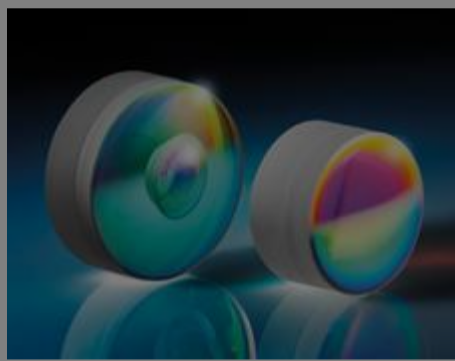
Select Your Country/Region:

Frequently Purchased Together



#45-806 - 25mm Dia. x 100mm FL, NIR II Coated, Achromatic Lens
€150,00

Qty



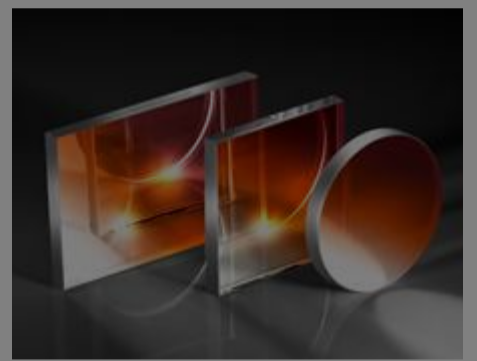
#47-380 - 25mm Dia. x 150mm FL, NIR II Coated, Achromatic Lens
€150,00

Qty



#48-799 - 50.0mm Dia. x 150.0mm FL, NIR I Coated, Plano-Convex Lens
€70,00

Qty



#48-902 - 25 x 25mm 50R/50T, VIS Plate Beamsplitter
€156,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	15mm Sq., Fixed Filter Holder	Fixed		#54-996	€67,50 Request Quote	20+ In Stock 1
MORE+	Filter Kinematic Mount, 2-Screw	Adjustable - Tip-Tilt		#58-874	€122,00 Request Quote	20+ In Stock 1
MORE+	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	€126,00 Request Quote	20+ In Stock 1
MORE+	Filter Kinematic Mount, 3-Screw	Adjustable - Tip-Tilt		#58-875	€138,00 Request Quote	17 In Stock 1

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

Resources

Media Type

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

APPLICATION NOTE

APPLICATION NOTE

VIDEO

Optical Filters Review

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VIDEO

Optical Filter Coatings: Comparison of Traditional a...

PUBLISHED ARTICLE

Selecting Color Filter Glass for Life Science Applications

FAQ

What type of material should I look for in a filter?

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