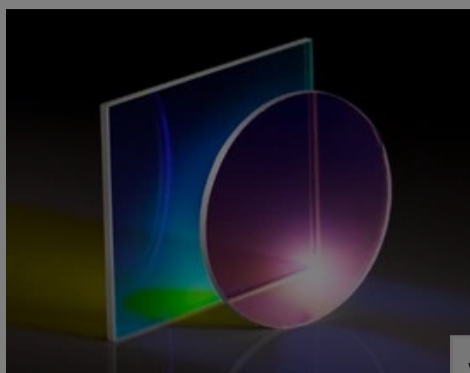


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TECHSPEC® 750nm



TECHSPEC Dichroic Shortpass Filters

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

€195^{,00}

ADD TO CART

Volume Pricing	
Qty 1-5	€195,00 each
Qty 6-25	€156,00 each
Qty 26-49	€148,00 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

Diameter (mm):	25.00	Thickness (mm):	1.05 ±0.1
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-Off Wavelength (nm):	750.00
Substrate:	Fused Silica (Corning 7980)	Coating:	Hard Coated
P-Polarization Transmission (%):	>80	Reflection (%):	>97 Average Polarization
Reflection Wavelength (nm):	800 - 990	S-Polarization Transmission (%):	>80
Surface Quality:	60-40	Transmission (%):	>85 Average Polarization
Transmission Wavelength (nm):	400 - 725	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		

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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

- Sharp Cut-Off Wavelength
- Broad Transmission and Reflection Ranges
- Available in a Range of Common Sizes

Our TECHSPEC® Dichroic Shortpass 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. The filters feature low polarization dependence, broad spectral ranges, and a precision fused silica substrate. TECHSPEC® Dichroic Shortpass Filters have a sharp cut-off wavelength and are available in a wide range of sizes for ease of system integration. These filters can be combined with TECHSPEC® Dichroic Longpass Filters to create custom bandpass filters.

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.

Technical Information

Accessories

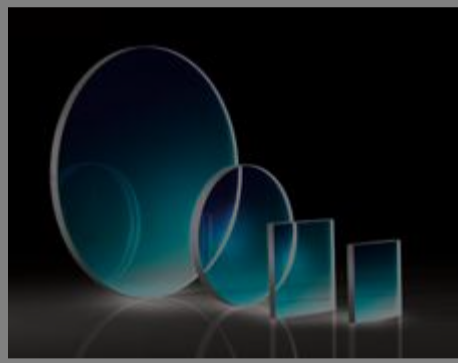
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	400 - 750nm, 25mm Dia., Dichroic Shortpass Filter Kit (9 Filters)		#15-106	€1.387,00	CONTACT US 1
MORE+	800 - 1200nm, 25mm Dia., Dichroic Shortpass Filter Kit (9 Filters)				CONTACT US 1
MORE+	400 - 750nm, 25.2 x 35.6mm, Dichroic Shortpass Filter Kit (9 Filters)				CONTACT US 1
MORE+	800 - 1200nm, 25.2 x 35.6mm, Dichroic Shortpass Filter Kit (9 Filters)		#15-111	€1.512,00 Request Quote	CONTACT US 1

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Frequently Purchased Together



#30-773 - 25mm Diameter Float Glass Window
€19,00

Qty



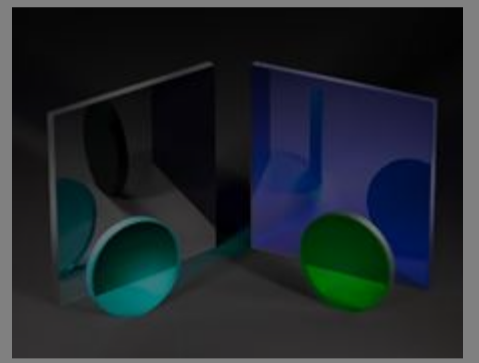
#42-345 - 1/8" x 24", Flexible Fiber Optic Light Guide
€90,50

Qty



#45-716 - 50.0mm Dia. x 75.0mm FL, VIS-NIR Coated, Plano-Convex Lens
€80,50

Qty














#46-082 - Hoya RT830 (IR) 12mm Dia., Colored Glass Bandpass Filter
€42,75

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 Request Quote	3 In Stock 1
MORE+	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock 1
MORE+	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 Request Quote	20+ In Stock 1
MORE+	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock 1
MORE+	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US 1
MORE+	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock 1
MORE+	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock 1
	4.0 - 36.0mm Optic Dia., Self-	Fixed		#16-077	€157,00 Request	5 In Stock 1

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 Centering Jaw Clamp				Quote	
MORE+	 25.0/25.4mm Optic Dia., Translating Mount					2 In Stock <input type="text" value="1"/> 
MORE+	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	€461,00 Request Quote	4 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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Custom Bandpass Filter using Shortpass an...

VIDEO

Optical Filters Review

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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