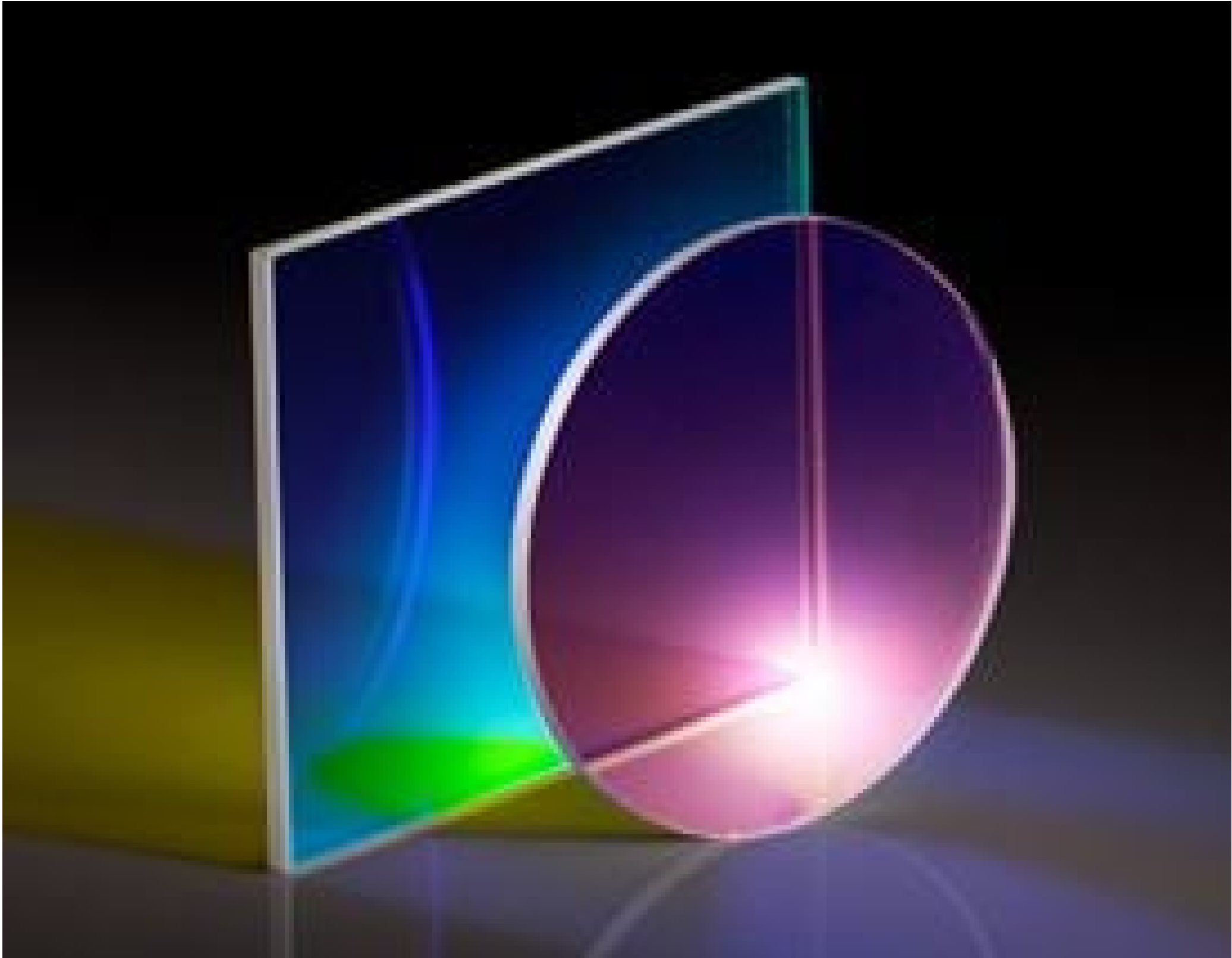


TECHSPEC[®] 950nm, 12.5mm Diameter, Dichroic Shortpass Filter



TECHSPEC Dichroic Shortpass Filters

Stock **#86-676** [CONTACT US](#)

-

1

+

€145⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€145,00 each
Qty 6-25	€116,00 each
Qty 26-49	€110,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Dichroic Filter

Physical & Mechanical Properties

Diameter (mm):
12.50

Thickness (mm):

1.05 ±0.1	
Dimensional Tolerance (mm):	
+0.0/-0.2	
Physical Durability:	
Adhesion per ML-PRF-13830B, Section C.4.5.12	
Moderate abrasion per ML-PRF-13830B, Section C.4.5.11	
Cleaning per ML-C-48497A Section 4.5.4.2	
Optical Properties	
Angle of Incidence (°):	
45	
Cut-Off Wavelength (nm):	
950.00	
Substrate: ☐	
Fused Silica (Corning 7980)	
Coating:	
Hard Coated	
P-Polarization Transmission (%):	
>80	
Reflection (%):	
>97 Average Polarization	
Reflection Wavelength (nm):	
997 - 1235	
S-Polarization Transmission (%):	
>80	
Surface Quality:	
60-40	
Transmission (%):	
>85 Average Polarization	
Transmission Wavelength (nm):	
495 - 912	
Transmitted Wavefront, RMS:	
λ/4	
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):	
495 - 1235	

Environmental & Durability Factors	
Environmental Durability:	
Humidity per ML-STD-810H, Section 507.6	
Temperature per ML-STD-810H, Section 501.7 and 502.7	

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

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

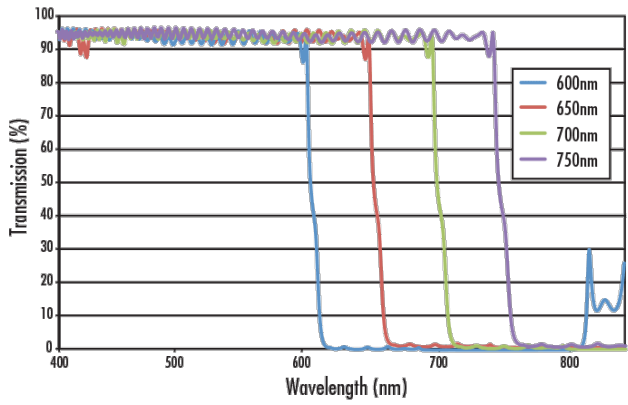
- Sharp Cut-Off Wavelength
- Broad Transmission and Reflection Ranges

- 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



Compatible Mounts