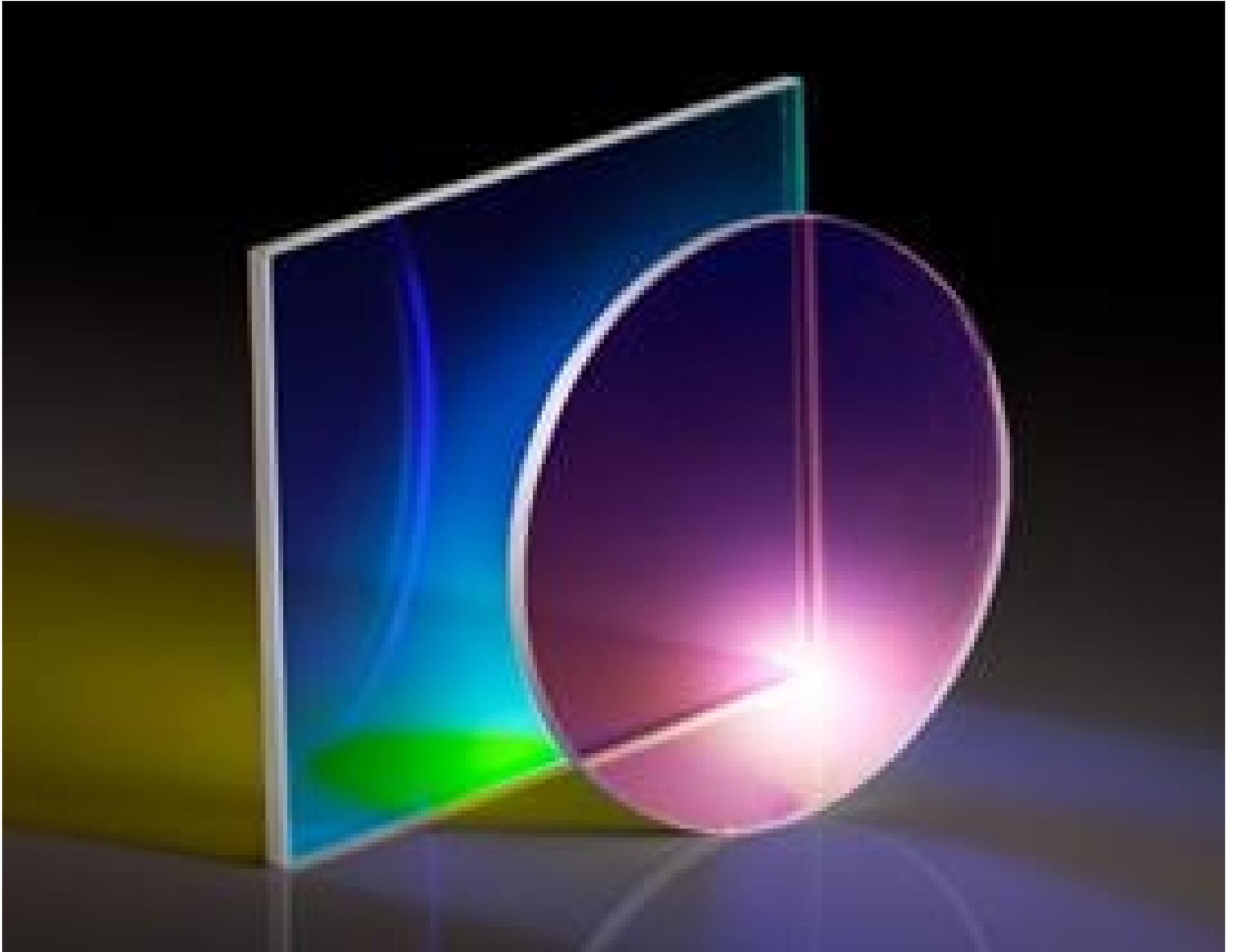


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**TECHSPEC® 1150nm, 25mm Diameter, Dichroic Shortpass Filter**



TECHSPEC Dichroic Shortpass Filters

Stock #86-692 **16 In Stock**

⊖ 1 ⊕ **S\$280<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>S\$280.00</b> each
Qty 6-25	<b>S\$224.00</b> each
Qty 26-49	<b>S\$212.80</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

25.00 **Diameter (mm):**

1.05 ±0.1 **Thickness (mm):**

**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):**

1,150.00

**Substrate:** **Fused Silica** (Corning 7980)**Coating:**

Hard Coated

**P-Polarization Transmission (%):**

&gt;80

**Reflection (%):**

&gt;97 Average Polarization

**Reflection Wavelength (nm):**

1207 - 1495

**S-Polarization Transmission (%):**

&gt;80

**Surface Quality:**

60-40

**Transmission (%):**

&gt;85 Average Polarization

**Transmission Wavelength (nm):**

598 - 1104

**Transmitted Wavefront, RMS:** $\lambda/4$ **Cut-Off Tolerance (%):**

±2

**S-Polarization Reflection (%):**

&gt;95

**P-Polarization Reflection (%):**

&gt;95

**Coating Specification:**

Surface 1: Hard Dielectric Sputtered  
 Surface 2: AR Coated

**Wavelength Range (nm):**

598 - 1495

**Environmental & Durability Factors****Environmental Durability:**

Humidity per ML-STD-810H, Section 507.6  
 Temperature per ML-STD-810H, Section 501.7 and 502.7

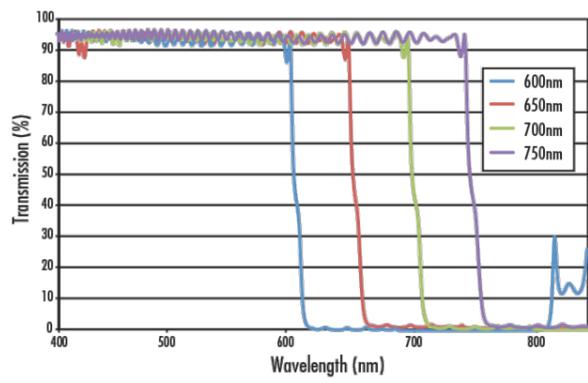
**Regulatory Compliance****RoHS 2015:****Compliant****Certificate of Conformance:****View****Reach 247:****Compliant****Product Details**

- 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**



## 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](#).

## Compatible Mounts

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