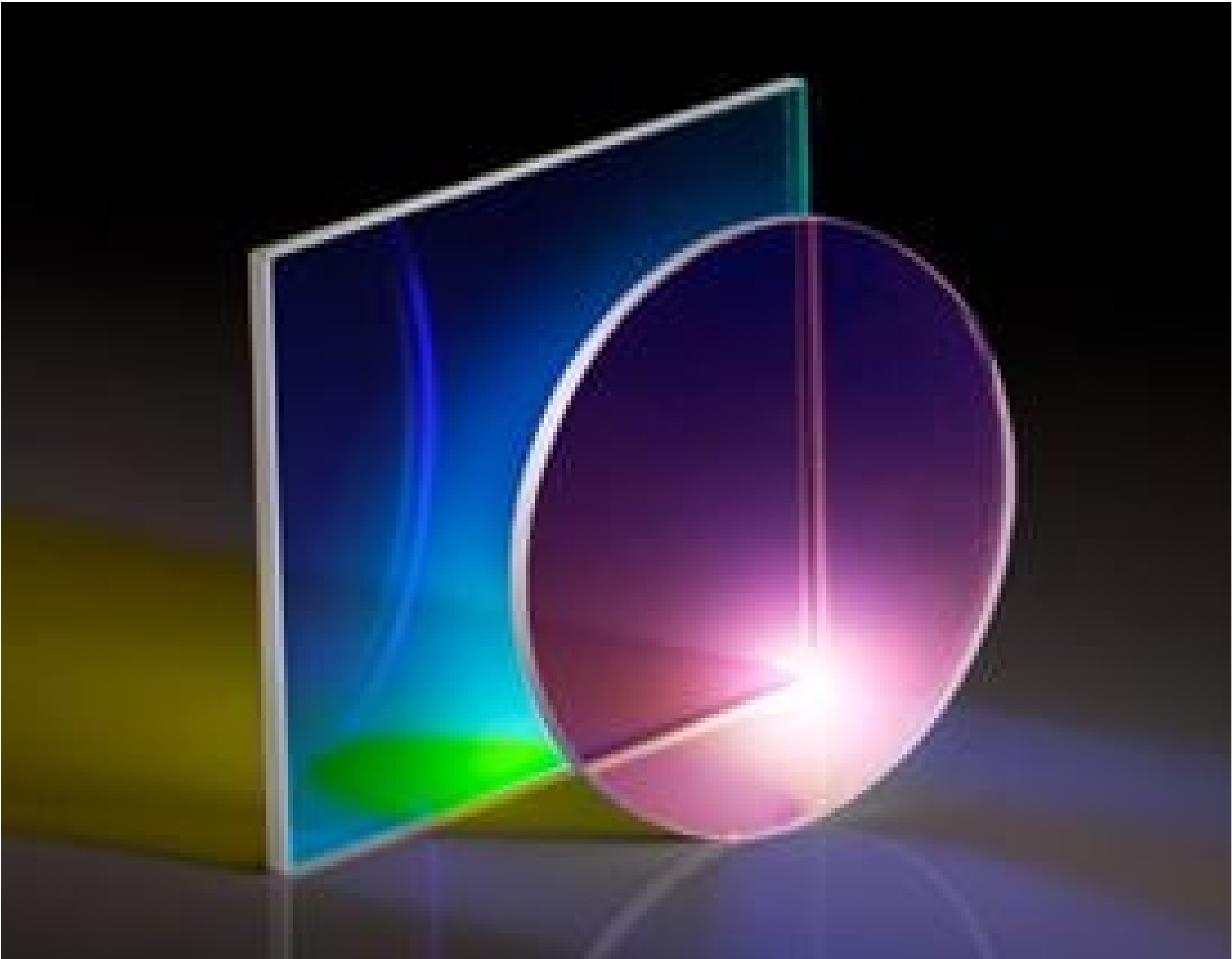


TECHSPEC<sup>®</sup> 550nm, 25mm Diameter, Dichroic Shortpass Filter



TECHSPEC Dichroic Shortpass Filters

Stock **#69-203** 20+ In Stock

-

1

+

S\$259<sup>87</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$259.87 each                |
| Qty 6-25       | S\$203.12 each                |
| Qty 26-49      | S\$188.18 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Dichroic Filter

Type:

Physical & Mechanical Properties

|           |                                                        |
|-----------|--------------------------------------------------------|
|           |                                                        |
| 25.00     | Diameter (mm):                                         |
| 1.05 ±0.1 | Thickness (mm):                                        |
|           |                                                        |
| +0.0/-0.2 | Dimensional Tolerance (mm):                            |
|           |                                                        |
|           | 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

|                             |                                      |
|-----------------------------|--------------------------------------|
| 45                          | Angle of Incidence (°):              |
|                             |                                      |
| 550.00                      | Cut-Off Wavelength (nm):             |
|                             |                                      |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/>  |
|                             |                                      |
| Hard Coated                 | Coating:                             |
|                             |                                      |
| >80                         | P-Polarization Transmission (%):     |
|                             |                                      |
| >97 Average Polarization    | Reflection (%):                      |
|                             |                                      |
| 575 - 725                   | Reflection Wavelength (nm):          |
|                             |                                      |
| >80                         | S-Polarization Transmission (%):     |
|                             |                                      |
| 60-40                       | Surface Quality:                     |
|                             |                                      |
| >85 Average Polarization    | Transmission (%):                    |
|                             |                                      |
| 400 - 530                   | Transmission Wavelength (nm):        |
|                             |                                      |
| λ/4                         | Transmitted Wavefront, RMS:          |
|                             |                                      |
| 3.00                        | Slope Factor (%):                    |
|                             |                                      |
| ±2                          | Cut-Off Tolerance (%):               |
|                             |                                      |
| >95                         | S-Polarization Reflection (%):       |
|                             |                                      |
| >95                         | P-Polarization Reflection (%):       |
|                             |                                      |
|                             | Coating Specification:               |
|                             | Surface 1: Hard Dielectric Sputtered |
|                             | Surface 2: AR Coated                 |
|                             |                                      |
| 400 - 725                   | Wavelength Range (nm):               |

### Environmental & Durability Factors

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

### Regulatory Compliance

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

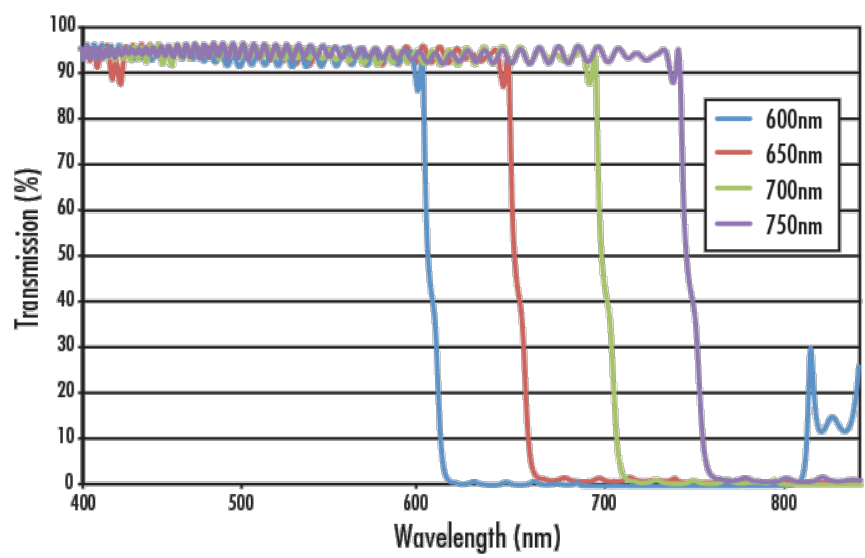
## PRODUCT DETAILS

- 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