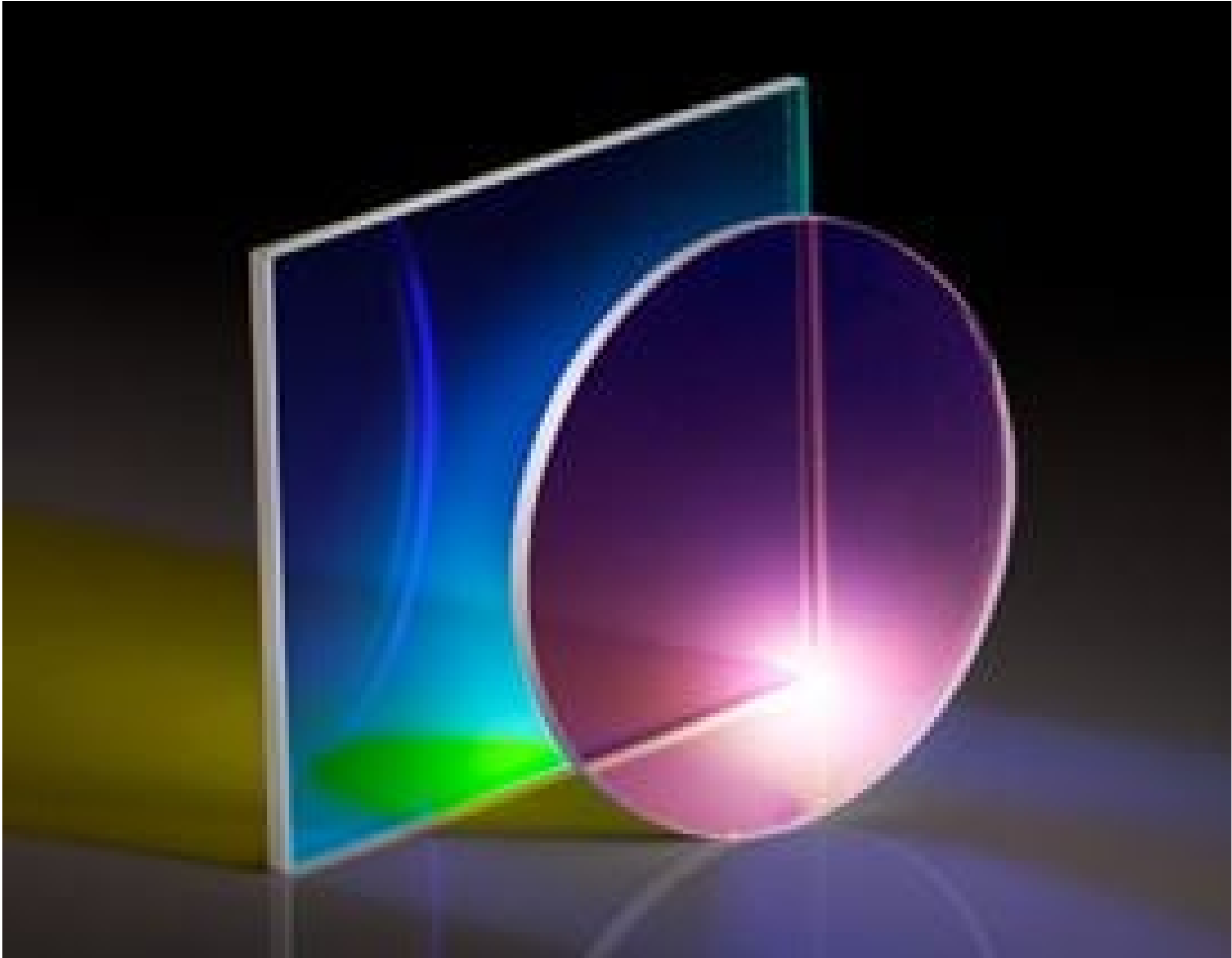


TECHSPEC<sup>®</sup> 550nm, 25.2 x 35.6mm, Dichroic Shortpass Filter



TECHSPEC Dichroic Shortpass Filters

Stock #69-215 20+ In Stock

-

1

+

€200<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €200,00 each                  |
| Qty 6-25       | €160,00 each                  |
| Qty 26-49      | €152,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Dichroic Filter

Type:

Physical & Mechanical Properties

25.2 x 35.6

Dimensions (mm):

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 ML-C-48497A Section 4.5.4.2               |                             |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Optical Properties                   |                                  |
|                                      | Angle of Incidence (°):          |
| 45                                   |                                  |
|                                      | Cut-Off Wavelength (nm):         |
| 550.00                               |                                  |
|                                      | Substrate: <div></div>           |
| Fused Silica (Coming 7980)           |                                  |
|                                      | Coating:                         |
| Hard Coated                          |                                  |
|                                      | P-Polarization Transmission (%): |
| >80                                  |                                  |
|                                      | Reflection (%):                  |
| >97 Average Polarization             |                                  |
|                                      | Reflection Wavelength (nm):      |
| 575 - 725                            |                                  |
|                                      | S-Polarization Transmission (%): |
| >80                                  |                                  |
|                                      | Surface Quality:                 |
| 60-40                                |                                  |
|                                      | Transmission (%):                |
| >85 Average Polarization             |                                  |
|                                      | Transmission Wavelength (nm):    |
| 400 - 530                            |                                  |
|                                      | 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                 |                                  |
|                                      | Wavelength Range (nm):           |
| 400 - 725                            |                                  |

|                                                      |                           |
|------------------------------------------------------|---------------------------|
| 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             |                             |

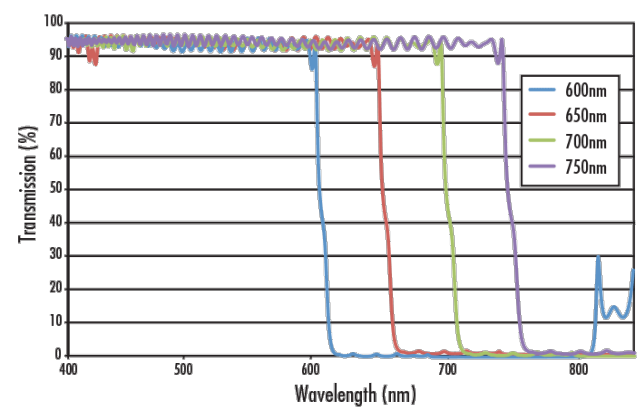
## Product Details

- 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