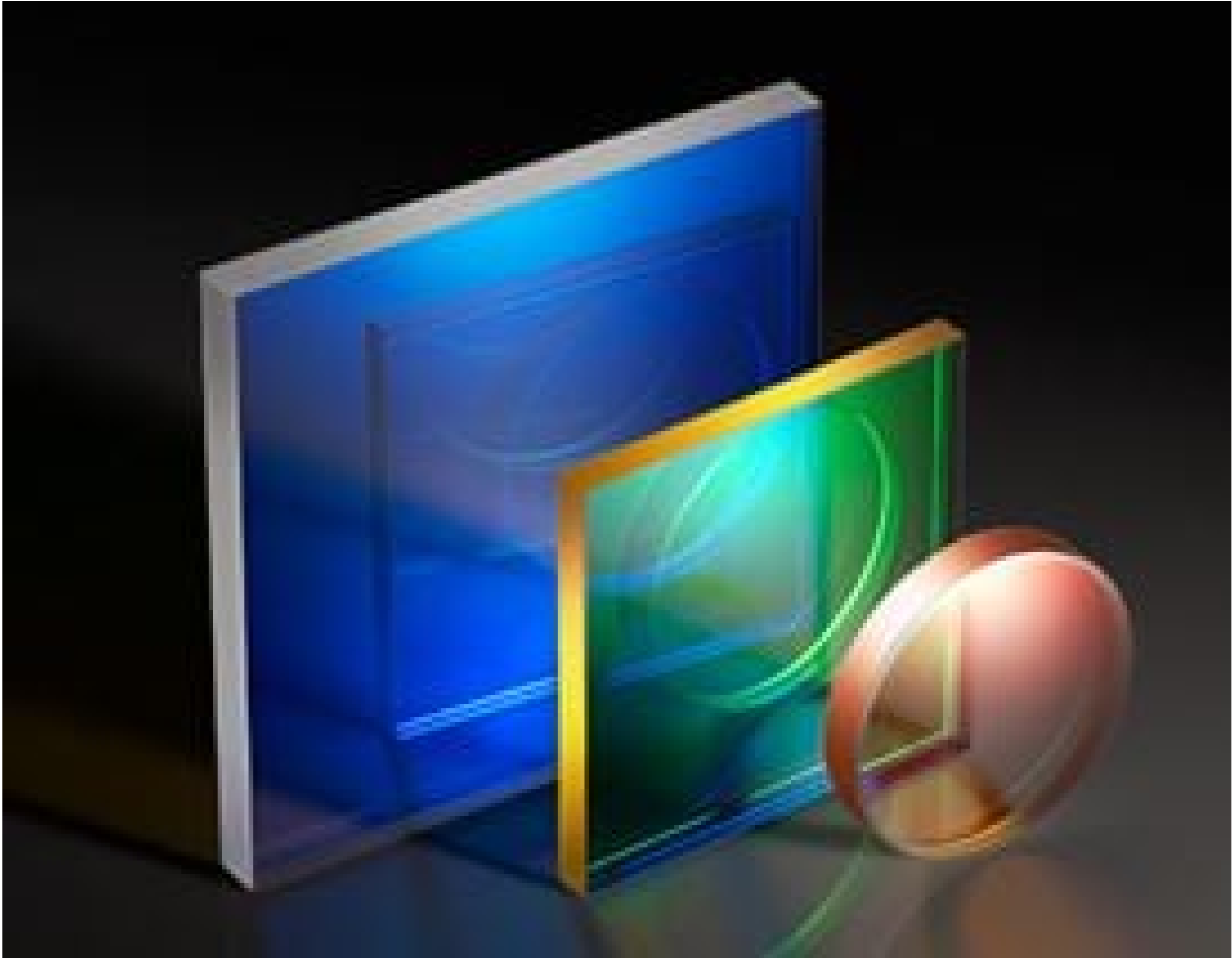


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TECHSPEC<sup>®</sup>

35mm Square 45°, Green Dichroic Filter



Stock **#49-473**

CONTACT US

-

1

+

€122<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €122,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Dichroic Filter

Type:

Physical & Mechanical Properties

35.0 x35.0

Dimensions (mm):

35.00

Length (mm):

3.00 ±0.20

Thickness (mm):

|                                                                             |                                |
|-----------------------------------------------------------------------------|--------------------------------|
| 35.00                                                                       | Width (mm):                    |
| <1                                                                          | Parallelism (arcmin):          |
| ±0.25                                                                       | Dimensional Tolerance (mm):    |
| 90.00                                                                       | Clear Aperture (%):            |
| Optical Properties                                                          |                                |
| 45.00                                                                       | Angle of Incidence (°):        |
| 535.00                                                                      | Center Wavelength CWL (nm):    |
| 65.00                                                                       | Full Width-Half Max FWHM (nm): |
| N-BK7                                                                       | Substrate: □                   |
| Traditional Coated                                                          | Coating:                       |
| Green                                                                       | Color:                         |
| R <sub>abs</sub> = 98% @535nm ±15nm<br>R <sub>avg</sub> >95% from 520-555nm | Reflection (%):                |
| 520 - 550                                                                   | Reflection Wavelength (nm):    |
| 60-40                                                                       | Surface Quality:               |
| 90.00                                                                       | Transmission (%):              |
| 600 - 800                                                                   | Transmission Wavelength (nm):  |
| ±15                                                                         | Wavelength Tolerance (nm):     |
| 0.54                                                                        | Center Wavelength CWL (μm):    |
| 0.07                                                                        | Full Width-Half Max FWHM (μm): |
| Surface 1: Multi-Layer Dichroic<br>Surface 2: Single Layer MgF <sub>2</sub> | Coating Specification:         |
| 520 - 800                                                                   | Wavelength Range (nm):         |
| λ/4                                                                         | Surface Flatness (P-V):        |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

## Product Details

- Reflects Stated Color While Transmitting Remaining Visible Spectrum
- Ideal for Color Separation Applications
- Precision N-BK7 Substrates

TECHSPEC® 45° Reflective Dichroic Color Filters are designed to be used at a 45° angle of incidence and will reflect the stated color while transmitting the remaining visible wavelengths. EO's Reflective Dichroics boast higher performance and a better-quality substrate than other readily available color processing filters. Each filter provides greater than 98% reflection over the specified color range and greater than 90% transmission of the remaining wavelengths. TECHSPEC 45° Reflective Dichroic Color Filters are traditionally coated and feature an N-BK7 substrate. These filters are available in circular and square sizes.

## 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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