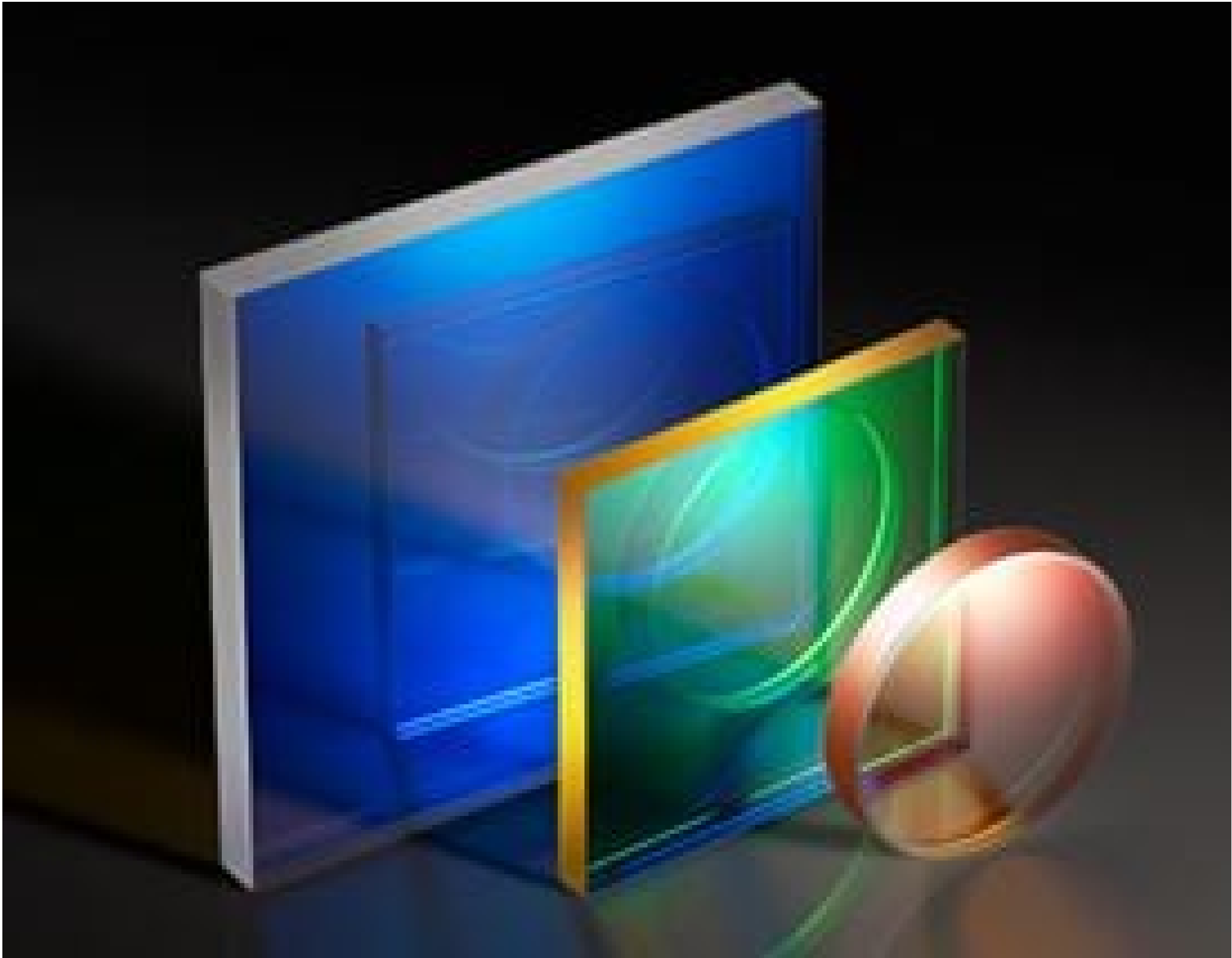


TECHSPEC<sup>®</sup> 50mm Square 45°, Yellow Dichroic Filter



Stock **#66-252** 20+ In Stock

-

1

+

€148<sup>.32</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €148,32 each                  |
| Qty 11-25      | €133,90 each                  |
| Qty 26-49      | €126,69 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Dichroic Filter

Type:

| Physical & Mechanical Properties                                            |                               |
|-----------------------------------------------------------------------------|-------------------------------|
| 50.0 x 50.0                                                                 | Dimensions (mm):              |
| 50.00                                                                       | Length (mm):                  |
| 4.00 ±0.20                                                                  | Thickness (mm):               |
| 50.00                                                                       | Width (mm):                   |
| <1                                                                          | Parallelism (arcmin):         |
| ±0.25                                                                       | Dimensional Tolerance (mm):   |
| 90.00                                                                       | Clear Aperture (%):           |
| Optical Properties                                                          |                               |
| 45.00                                                                       | Angle of Incidence (°):       |
| 520.00                                                                      | Cut-Off Wavelength (nm):      |
| N-BK7                                                                       | Substrate: <div></div>        |
| Traditional Coated                                                          | Coating:                      |
| Yellow                                                                      | Color:                        |
| R <sub>abs</sub> = 50% @ 520nm<br>R <sub>avg</sub> > 98% @ 550 - 725nm      | Reflection (%):               |
| 550 - 725                                                                   | Reflection Wavelength (nm):   |
| 60-40                                                                       | Surface Quality:              |
| 90.00                                                                       | Transmission (%):             |
| 400 - 495                                                                   | Transmission Wavelength (nm): |
| ±15                                                                         | Wavelength Tolerance (nm):    |
| Surface 1: Multi-Layer Dichroic<br>Surface 2: Single Layer MgF <sub>2</sub> | Coating Specification:        |
| 400 - 725                                                                   | 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

