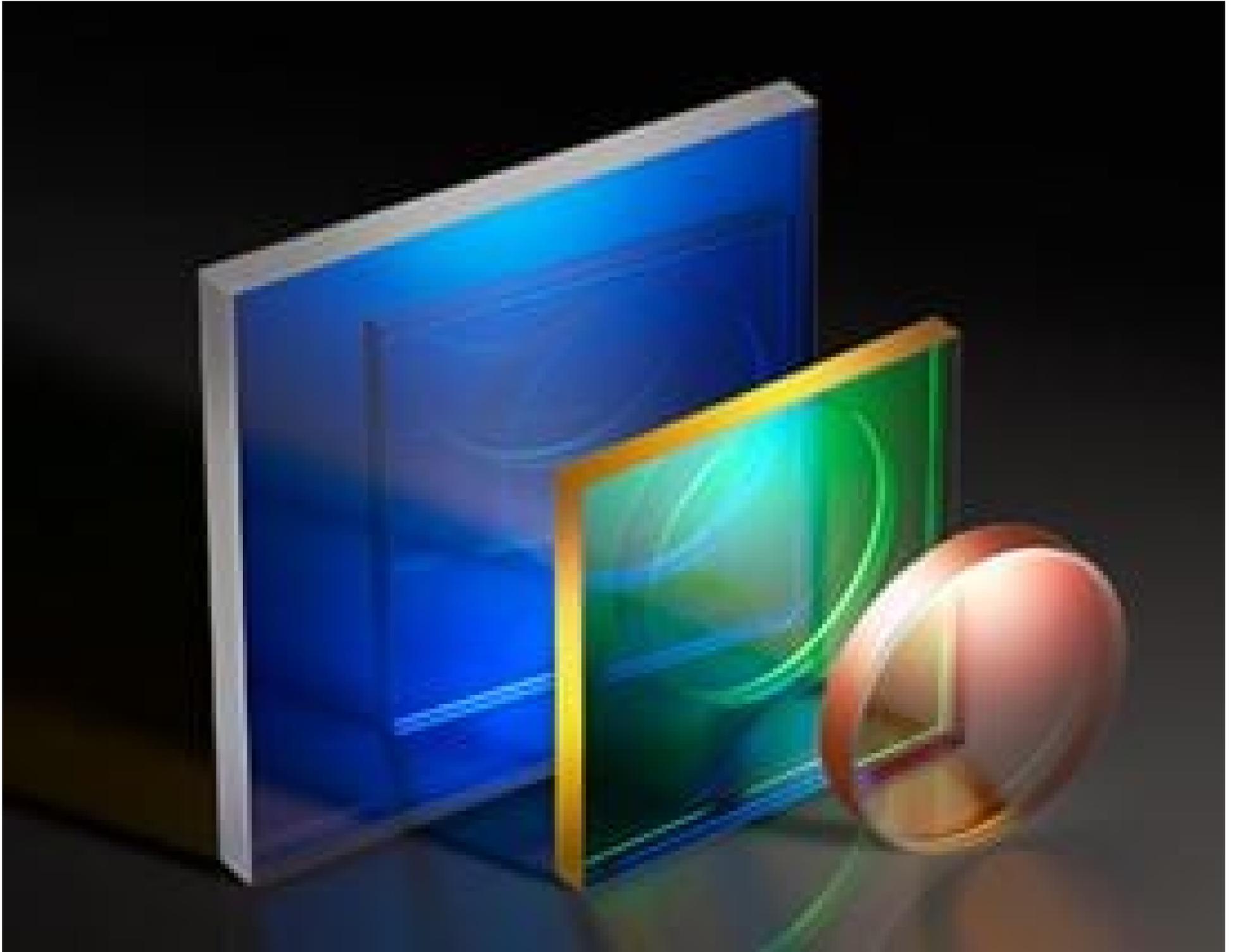


**TECHSPEC® 12.5mm Diameter 45°, Yellow Dichroic Filter**



Stock **#66-243** **1 In Stock**

⊖ 1 ⊕ A\$126<sup>40</sup>

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Qty 1+	A\$126.40 each
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Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

12.50 **Diameter (mm):**

3.00 ±0.20 **Thickness (mm):**

<1 **Parallelism (arcmin):**

**Dimensional Tolerance (mm):**

±0.25

90.00

Clear Aperture (%):

## Optical Properties

45.00

Angle of Incidence (°):

520.00

Cut-Off Wavelength (nm):

N-BK7

Substrate: □

Traditional Coated

Coating:

Yellow

Color:

R<sub>abs</sub> = 50% @ 520nm

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  
Surface 2: Single Layer MgF<sub>2</sub>

Coating Specification:

400 - 725

Wavelength Range (nm):

M4

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