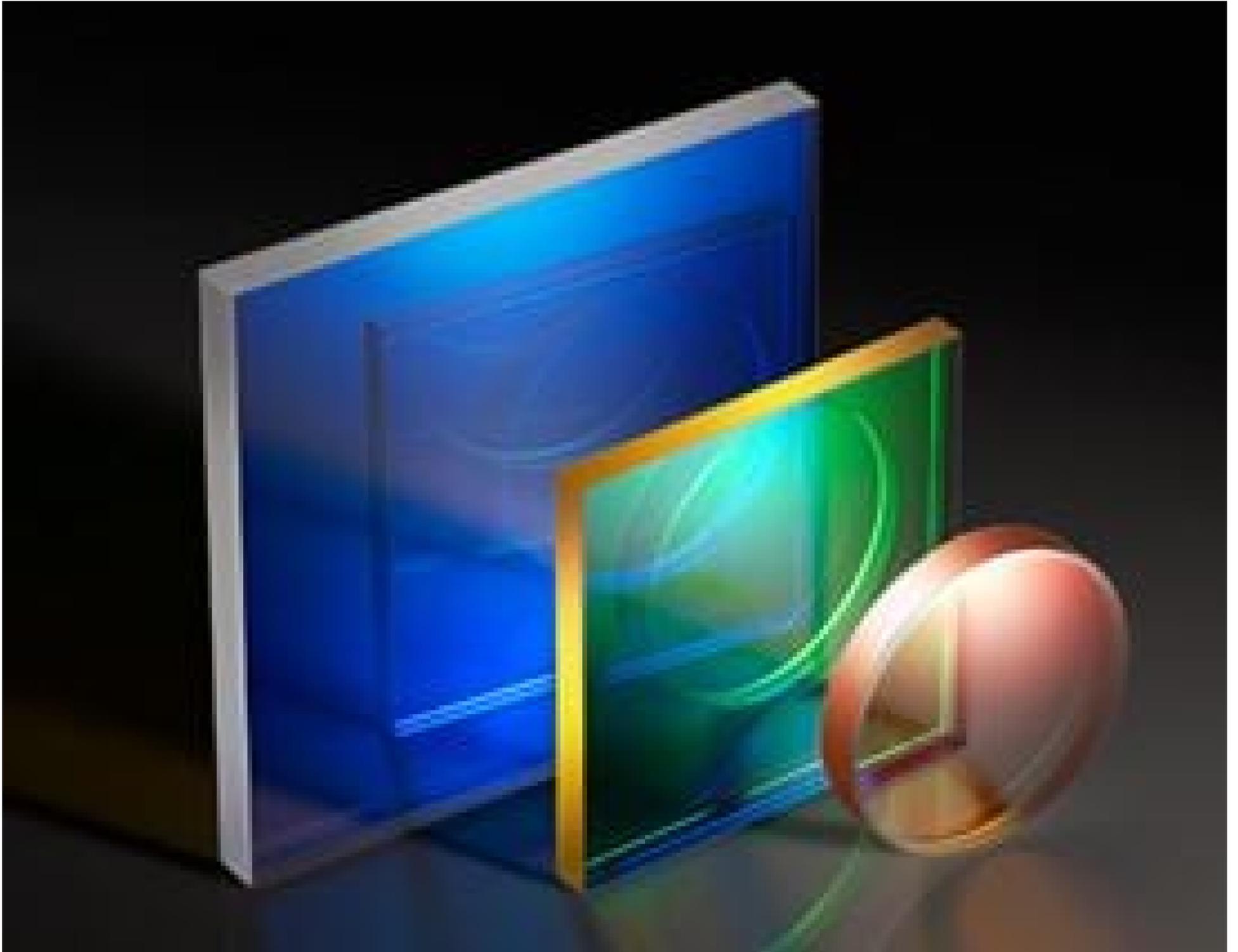


**TECHSPEC® 35mm Square 45°, Blue Dichroic Filter**



Stock #49-472 **14 In Stock**

⊖ 1 ⊕ C\$170.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	C\$170.80 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

35.0 x 35.0 **Dimensions (mm):**

35.00 **Length (mm):**

3.00 ±0.20 **Thickness (mm):**

**Width (mm):**

35.00	
<1	Parallelism (arcmin):
±0.25	Dimensional Tolerance (mm):
90.00	Clear Aperture (%):
<b>Optical Properties</b>	
45.00	Angle of Incidence (°):
510.00	Cut-Off Wavelength (nm):
N-BK7	Substrate: <input type="checkbox"/>
Traditional Coated	Coating:
Blue	Color:
R <sub>abs</sub> = 50% @ 510nm R <sub>avg</sub> > 98% @ 400 - 475nm	Reflection (%):
400 - 475	Reflection Wavelength (nm):
60-40	Surface Quality:
90.00	Transmission (%):
530 - 800	Transmission Wavelength (nm):
±15	Wavelength Tolerance (nm):
Surface 1: Multi-Layer Dichroic Surface 2: Single Layer MgF <sub>2</sub>	Coating Specification:
400 - 800	Wavelength Range (nm):
λ/4	Surface Flatness (P-V):

<b>Regulatory Compliance</b>	
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

