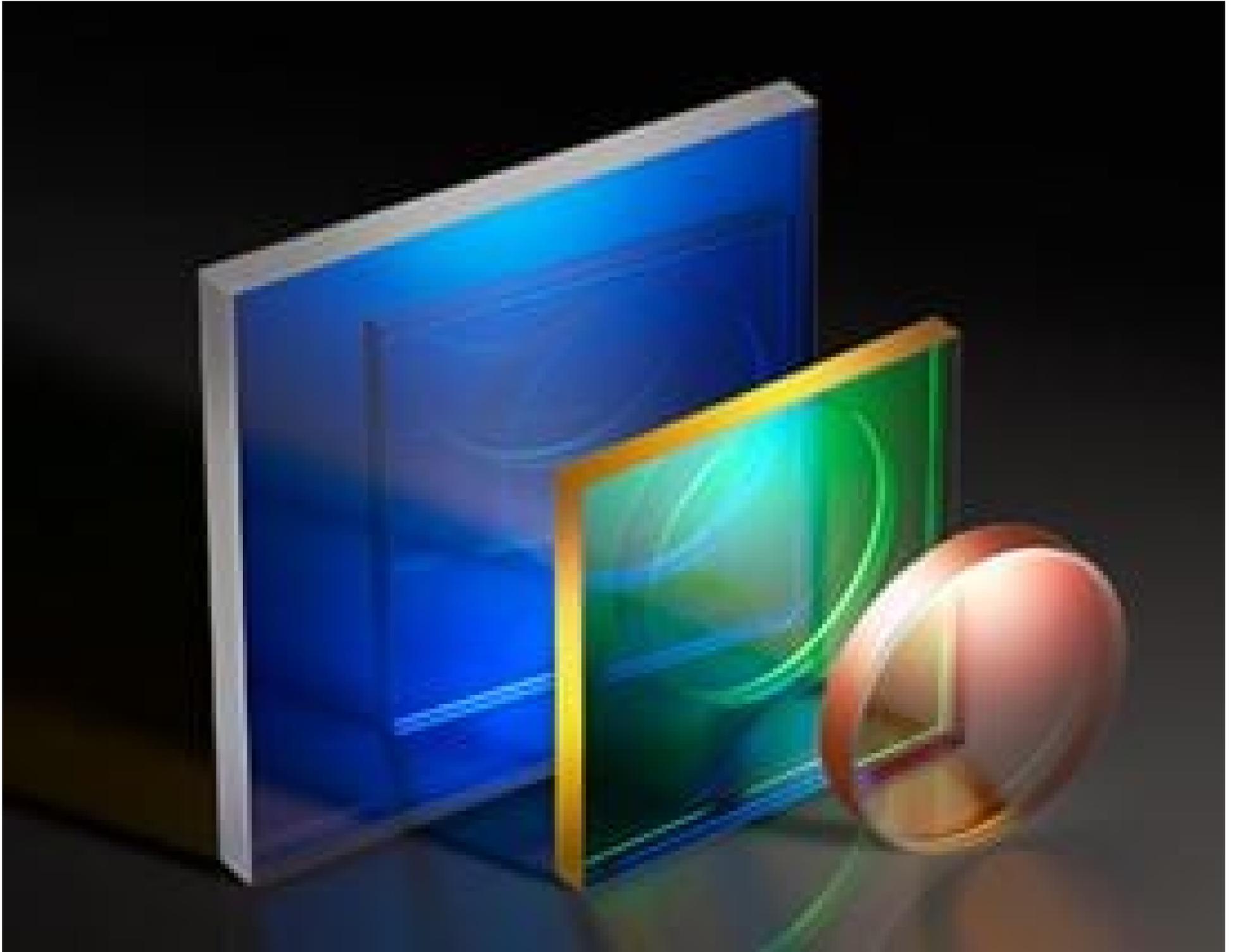


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**TECHSPEC® 25mm Diameter 45°, Red Dichroic Filter**



Stock #47-266 [CONTACT US](#)

− 1 + S\$131<sup>00</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | S\$131.60 each                |
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Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

25.00 **Diameter (mm):**

4.00 ±0.20 **Thickness (mm):**

<1 **Parallelism (arcmin):**

**Dimensional Tolerance (mm):**

±0.25

90.00 **Clear Aperture (%):**

## Optical Properties

45.00 **Angle of Incidence (°):**

615.00 **Cut-On Wavelength (nm):**

**Substrate:**   
N-BK7

**Coating:**  
Traditional Coated

**Color:**  
Red

**Reflection (%):**  
R<sub>abs</sub> = 50% @ 615nm  
R<sub>avg</sub> > 98% @ 640-750nm

640 - 750 **Reflection Wavelength (nm):**

60-40 **Surface Quality:**

90.00 **Transmission (%):**

400 - 595 **Transmission Wavelength (nm):**

±15 **Wavelength Tolerance (nm):**

**Coating Specification:**  
Surface 1: Multi-Layer Dichroic  
Surface 2: Single Layer MgF<sub>2</sub>

400 - 750 **Wavelength Range (nm):**

λ/4 **Surface Flatness (P-V):**

## Regulatory Compliance

**RoHS 2015:**  
Compliant

**Certificate of Conformance:**  
View

**Reach 235:**  
Compliant

## 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