

TECHSPEC[®] 50mm Square 45°, Magenta Dichroic Filter



Stock **#66-253** [CONTACT US](#)

-

1

+

£124^{.00}

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Volume Pricing	
Qty 1+	£124.00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Dichroic Filter

Physical & Mechanical Properties

Dimensions (mm):

50.0 x50.0

Length (mm):

50.00

Thickness (mm):

4.00 ±0.20

50.00	Width (mm):
<1	Parallelism (arcmin):
±0.25	Dimensional Tolerance (mm):
90.00	Clear Aperture (%):
Optical Properties	
45.00	Angle of Incidence (°):
495.00	Cut-Off Wavelength (nm):
605.00	Cut-On Wavelength (nm):
N-BK7	Substrate: ☐
Traditional Coated	Coating:
Magenta	Color:
R _{abs} = 50% @495 & 605nm R _{avg} > 98% @400 - 465nm & 635 - 725nm	Reflection (%):
400 - 465 & 635 - 725	Reflection Wavelength (nm):
60-40	Surface Quality:
90.00	Transmission (%):
520 - 580	Transmission Wavelength (nm):
±15	Wavelength Tolerance (nm):
Surface 1: Multi-Layer Dichroic Surface 2: Single Layer MgF ₂	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:

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](#).

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.

Compatible Mounts

