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50mm Square, Red Dichroic Filter

Additive and Subtractive Dichroic Color Filters

Stock **#30-634** **20+ In Stock**

- 1 +

A$71.20

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Volume Pricing	
Qty 1-24	**A$71.20** each
Qty 25-49	**A$63.60** each
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General

Type:

Dichroic Filter

Physical & Mechanical Properties

Dimensions (mm):

50.0 x 50.0

Length (mm):

50.00

Thickness (mm):

2.00 Nominal

Width (mm):

50.00

Dimensional Tolerance (mm):

±0.25

Clear Aperture (%):

≥85

Optical Properties

Angle of Incidence (°):

0

Cut-On Wavelength (nm):

605.00

Substrate:

BOROFLOAT®

Coating:

Additive Color

Color:

Red

Surface Quality:

80-50

Cut-On Wavelength Tolerance (µm):

0.012

Coating Specification:

T_{avg} <1.0% @ 390 - 570nm, T_{avg} >85% @ 620 - 750nm
T_{abs} <2.0% @ 415 - 550nm, T_{abs} >80% @ 630 - 750nm

Environmental & Durability Factors

Operating Temperature (°C):

<100

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

Compliant

Need different specs or modifications?

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

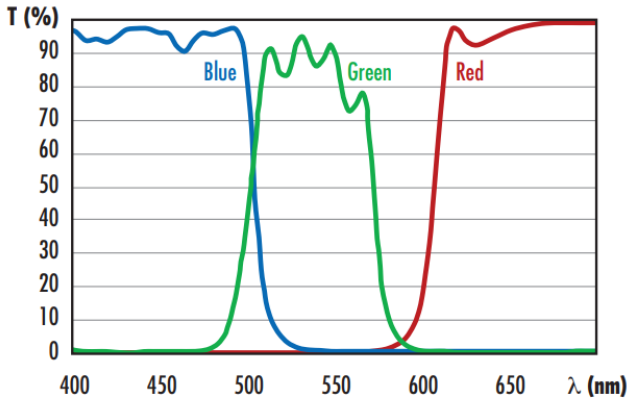
- High Saturation Dichroic Type
- Matrix of Sizes and Sets
- Precision Glass Substrate

Additive and Subtractive Dichroic Color Filters are dichroic filters ideal for machine vision and commonly used for color separation and contrast enhancement applications. Provided in unmounted versions, these filters are easily integrated into a variety of existing camera and illumination setups. In addition, dichroic filters provide wider fields of view not obtainable using narrow bandpass interference filters. Additive and Subtractive Dichroic Color Filters feature a precision glass substrate and are offered in a variety of sizes and sets. A complete set of these dichroic filters is available in a **Pre-Loaded filter wheel**.

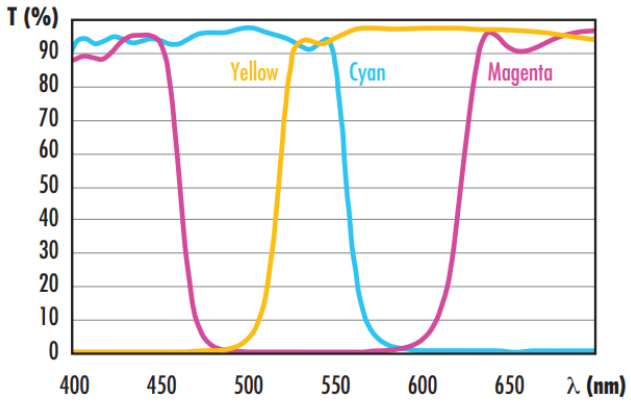
Typical applications include photo enlargers, beam separation, and placing filters in front of an imaging lens to selectively isolate spectral regions/colors.

Technical Information

Additive Filters Typical Transmittance Curves



Subtractive Filters Typical Transmittance Curves



Compatible Mounts

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