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# 12.5mm Diameter, Red Dichroic Filter



Additive and Subtractive Dichroic Color Filters

Stock **#52-527** [CONTACT US](#)

-

 1 

+

 €25<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-24       | €25,00 each                   |
| Qty 25-49      | €22,75 each                   |
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Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

Dichroic Filter 

Type:

### Physical & Mechanical Properties

12.50 

Diameter (mm):

2.00 Nominal 

Thickness (mm):

|                                                                                                                                                                                  |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| ±0.25                                                                                                                                                                            | Dimensional Tolerance (mm):         |
| ≥85                                                                                                                                                                              | Clear Aperture (%):                 |
| Optical Properties                                                                                                                                                               |                                     |
| 0                                                                                                                                                                                | Angle of Incidence (°):             |
| 605.00                                                                                                                                                                           | Cut-On Wavelength (nm):             |
| BOROFLOAT®                                                                                                                                                                       | Substrate: <input type="checkbox"/> |
| Additive Color                                                                                                                                                                   | Coating:                            |
| Red                                                                                                                                                                              | Color:                              |
| 80-50                                                                                                                                                                            | Surface Quality:                    |
| 0.012                                                                                                                                                                            | Cut-On Wavelength Tolerance (µm):   |
| Coating Specification:<br>T <sub>avg</sub> <1.0% @ 390 - 570nm, T <sub>avg</sub> >85% @ 620 - 750nm<br>T <sub>abs</sub> <2.0% @ 415 - 550nm, T <sub>abs</sub> >80% @ 630 - 750nm |                                     |
| Environmental & Durability Factors                                                                                                                                               |                                     |
| <100                                                                                                                                                                             | Operating Temperature (°C):         |
| Regulatory Compliance                                                                                                                                                            |                                     |
| Compliant                                                                                                                                                                        | RoHS 2015:                          |
| View                                                                                                                                                                             | Certificate of Conformance:         |
| Compliant                                                                                                                                                                        | Reach 247:                          |

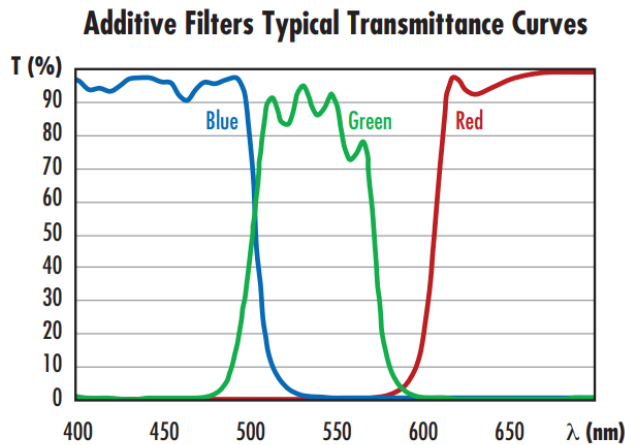
## Product Details

- 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



Subtractive Filters Typical Transmittance Curves



## 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