

50mm Square, Green Dichroic Filter



Additive and Subtractive Dichroic Color Filters

Stock **#46-139** **7 In Stock**

-

1

+

S\$62⁶⁵

ADD TO CART

Volume Pricing	
Qty 1-24	S\$62.65 each
Qty 25-49	S\$56.70 each
Need More?	Request Quote

Product Downloads

General

Dichroic Filter

Type:

Physical & Mechanical Properties

50.0 x 50.0

Dimensions (mm):

50.00

Length (mm):

Thickness (mm):

2.00 Nominal	
	Width (mm):
50.00	
	Dimensional Tolerance (mm):
±0.25	
	Clear Aperture (%):
≥85	

Optical Properties	
	Angle of Incidence (°):
0	
	Cut-Off Wavelength (nm):
575.00	
	Cut-On Wavelength (nm):
505.00	
BOROFLOAT®	Substrate: ☐
	Coating:
Additive Color	
	Color:
Green	
	Surface Quality:
80-50	
	Cut-On Wavelength Tolerance (µm):
0.012	
	Coating Specification:
T _{avg} <1.0% @ 400 - 480nm, T _{avg} >80% @ 525 - 555nm, T _{avg} <1.0% @ 590 - 720nm T _{abs} <1.0% @ 425 - 455nm, T _{abs} >70% @ 530 - 550nm, T _{abs} <1.0% @ 620 - 690nm	
	Cut-Off Wavelength Tolerance (µm):
0.012	

Environmental & Durability Factors	
	Operating Temperature (°C):
<100	

Regulatory Compliance	
	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 247:
Compliant	

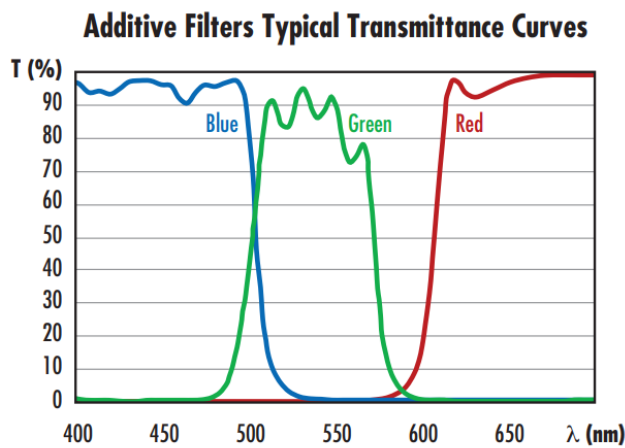
Product Details

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

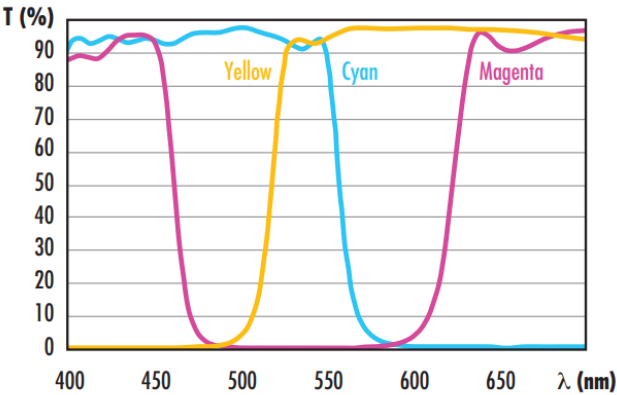
Additive and Subtractive Dichroic Color Filters are dichroic filters ideal for machine vision and commonly used for color separation and contrast enhancement applications. Provided in unmounted versions, these filters are easily integrated into a variety of existing camera and illumination setups. In 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

