

Mounted M25.5 x 0.5 Threaded - Red Filter



Stock **#46-542** 20+ In Stock

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1

+

€57^{.50}

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Volume Pricing	
Qty 1-9	€57,50 each
Qty 10-25	€51,50 each
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Product Downloads

General	
AR Coating: MgF ₂	Note:
Mounted Imaging Filter	Type:
Hoya R-60 or equivalent	Type of Filter:

Physical & Mechanical Properties

21.5	Clear Aperture CA (mm):
27.5	Outer Diameter (mm):
2.0	Substrate Thickness (mm):
5.00	Thickness with Mount (mm):

Optical Properties	
Red	Color:
600.00	Cut-On Wavelength (nm):
R-60	Glass/Filter Number:
1.53	Index of Refraction (n _d):
Colored Glass	Substrate: ☐
80-50	Surface Quality:

400 - 700	Wavelength Range (nm):
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Threading & Mounting	
M25.5 x 0.50	Filter Thread:
2.0	Thickness of Compatible Optics (mm):

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

Product Details

- Improve Contrast
- Isolate Spectral Regions/Colors
- Precision Colored Glass

Mounted Color Filters are ideal for machine vision and are best used with black-and-white cameras to yield increased contrast and resolution. Utilizing the principle "Like Colors Lighten Like Colors" will maximize results. Daylight Blue filters increase color temperature from 3300K to 5500K (daylight). Color camera settings (Red/Blue gain level and AVC) yield further optimization when used in conjunction with lamp selection (quartz-halogen and fluorescent). Mounted Color Filters provide wide fields of view unobtainable with angle-sensitive filters.

All filters can be threaded together via identical male and female threads on each mount. Color filters can also be used in conjunction with [mounted UV filters](#) to block unwanted ultraviolet light and protect the filters in extreme environments.

Technical Information

