

# Mounted M58 x 0.75 Threaded - Blue Filter



Stock #54-777 **CLEARANCE** 14 In Stock

- 1 +

C\$61<sup>.43</sup>

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Qty 1+	C\$61.43 each
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Product Downloads	
STEP:step	Curve:pdf
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EO Spec Sheet	<a href="#">Download All</a>

## General

<b>Note:</b> AR Coating: MgF <sub>2</sub>	<b>Type:</b> Mounted Imaging Filter
<b>Type of Filter:</b> Hoya B-440 or equivalent	

## Physical & Mechanical Properties

<b>Clear Aperture CA (mm):</b> 54.0	<b>Outer Diameter (mm):</b> 60.0
<b>Substrate Thickness (mm):</b> 2.5	<b>Thickness with Mount (mm):</b> 5.00

## Optical Properties

<b>Color:</b> Blue	<b>Cut-Off Wavelength (nm):</b> 480.00
<b>Cut-On Wavelength (nm):</b> 395.00	<b>Glass/Filter Number:</b> B-440
<b>Index of Refraction (n<sub>d</sub>):</b> 1.55	<b>Substrate:</b> Colored Glass
<b>Surface Quality:</b> 80-50	<b>Wavelength Range (nm):</b> 400 - 700

## Threading & Mounting

<b>Filter Thread:</b> M58 x 0.75	<b>Thickness of Compatible Optics (mm):</b> 2.5
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## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
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- 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 AWC) 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

## Frequently Purchased Together



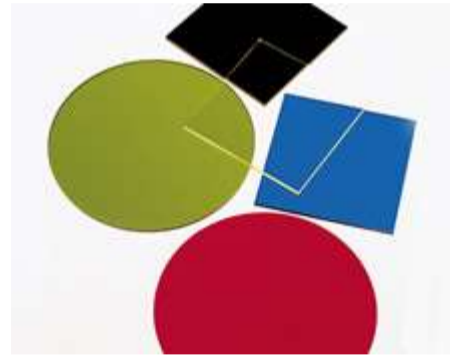
#32-503 - 15mm 50R/50T Cube Beamsplitter  
C\$331.80

Qty



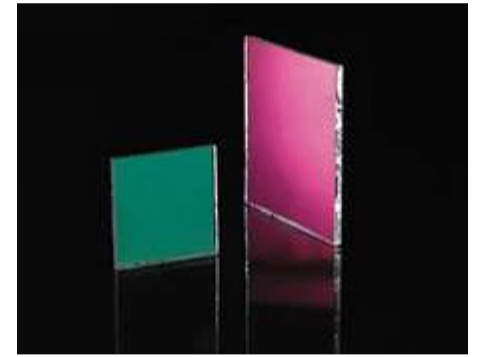
#38-710 - USAF Resolution Target Pocket Size  
C\$13.65

Qty



#43-938 - 3" Dia. Blue Optical Cast Plastic Filter  
C\$50.05

Qty



#54-516 - 50mm Square IR Cut-Off Filter  
C\$133.70

Qty



## Resources

**Media Type**

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

**APPLICATION NOTE**

The Importance of Optical Filter Orientation....

**APPLICATION NOTE**

Custom Bandpass Filter using Shortpass an...

**VIDEO**

Optical Filters Review

**VIDEO**

Optical Filter Coatings: Comparison of Traditional a...

**PUBLISHED ARTICLE**

Selecting Color Filter Glass for Life Science Applications

**FAQ**

What type of material should I look for in a filter?

[View More](#)