

Mounted M49 x 0.75 Threaded - Blue Filter



Stock #54-775 CLEARANCE 20+ In Stock

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1

+

A\$39^{.20}

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General	
AR Coating: MgF ₂	Note:
Mounted Imaging Filter	Type:
Hoya B-440 or equivalent	Type of Filter:
Physical & Mechanical Properties	
45.0	Clear Aperture CA (mm):
	Outer Diameter (mm):

51.0	
Substrate Thickness (mm):	
2.5	
Thickness with Mount (mm):	
5.00	
Optical Properties	
Color:	
Blue	
Cut-Off Wavelength (nm):	
480.00	
Cut-On Wavelength (nm):	
395.00	
Glass/Filter Number:	
B-440	
Index of Refraction (n _d):	
1.55	
Substrate: ☐	
Colored Glass	
Surface Quality:	
80-50	
Wavelength Range (nm):	
400 - 700	

Threading & Mounting	
Filter Thread:	
M49 x0.75	
Thickness of Compatible Optics (mm):	
2.5	

Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	

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 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

