Mounted M25.5 x 0.5 Threaded - Blue Filter

Stock **#46-544** **7 In Stock**

- 1 + **₹3,854**

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Qty 1-9	**₹3,854** each
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SPECIFICATIONS

General

Note:	AR Coating: MgF_2
Type:	Mounted Imaging Filter
Type of Filter:	

Hoya B-440 or equivalent

Physical & Mechanical Properties

Clear Aperture CA (mm): 21.5	**Outer Diameter (mm):** 27.5
Substrate Thickness (mm): 2.0	**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: M25.5 x 0.50	**Thickness of Compatible Optics (mm):** 2.0

Regulatory Compliance

RoHS 2015: Exempt	**Certificate of Conformance:** View
Reach 247: Compliant	

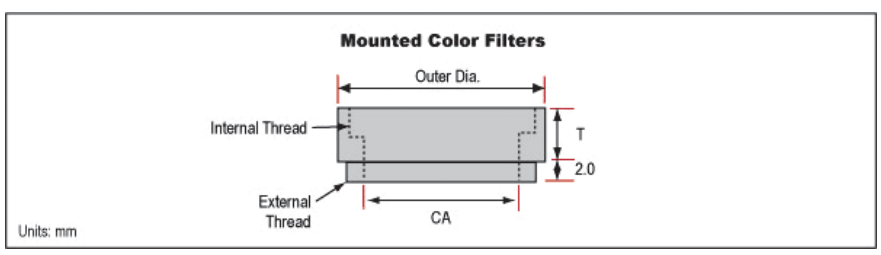
PRODUCT DETAILS

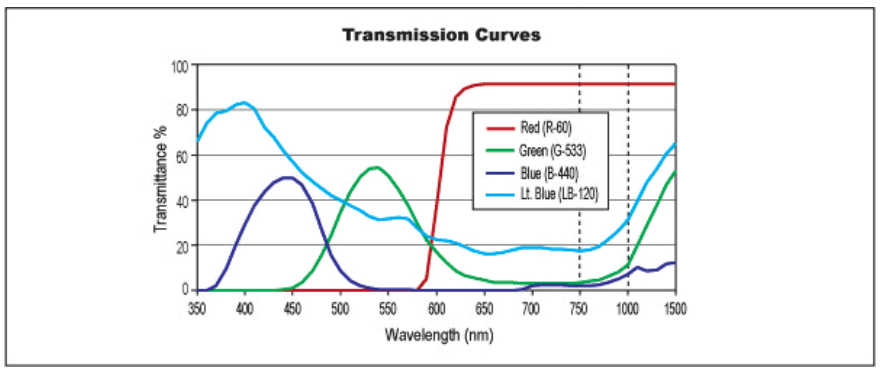
- Improve Contrast
- Isolate Spectral Regions/Colors
- Precision Colored Glass

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




Transmission Curves
Transmittance %
100
80
60
40
20
0
350
400
450
500
550
600
650
700
750
1000
1500
Wavelength (nm)
Red (R-60)
Green (G-533)
Blue (B-440)
Lt. Blue (LB-120)