

# Green & Blue Filters



Call us for OEM versions

Green and blue filters are band-pass filters with a specific spectral transmission characteristic that transmits light which is perceived by the human eye as the corresponding color. These filters use absorptive glasses, that are robust, cost-effective and insensitive to angle of incidence. In machine vision, one of their typical applications, they are used in front of a

lens on a monochrome CCD or CMOS camera to improve image contrast. The appropriate type of filter has to be selected with respect to the color of the object and the type and/or color of the illumination. These filters are available unmounted or in mounts with all common thread sizes.

## Key Features

- Insensitive to angle of incidence
- Available in mounts with all common thread sizes
- Absence of vignetting due to large clear aperture

## Applications

- Machine Vision and other imaging applications
- Scientific & research measurements

## Technical Specifications<sup>1</sup>

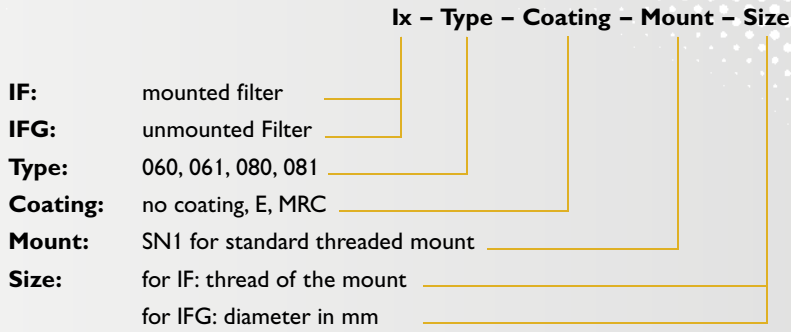
	060 Yellow-green	061 green	080 light blue	081 blue
Filter Type:	060 Yellow-green	061 green	080 light blue	081 blue
Surface:	5/2 x 0.16 <sup>2</sup>	5/2 x 0.16 <sup>2</sup>	5/2 x 0.16 <sup>2</sup>	5/2 x 0.16 <sup>2</sup>
Wavefront distortion <sup>3</sup> :	1 λ	1 λ	1 λ	1 λ
Parallelism:	1 arc minute	1 arc minute	1 arc minute	1 arc minute
Diameter tolerance:	+ 0 - 0.3 mm	+ 0 - 0.3 mm	+ 0 - 0.3 mm	+ 0 - 0.3 mm
Thickness:	2.0 ± 0.2 mm	2.0 ± 0.2 mm	2.0 ± 0.2 mm	2.0 ± 0.2 mm

<sup>1</sup> Specifications for unmounted and uncoated versions

<sup>2</sup> Surface specification according to ISO 10110, quality usually similar to MIL 80-50 scratch-dig or better

<sup>3</sup> Per 30 mm at 633 nm

**ORDER INSTRUCTIONS:**



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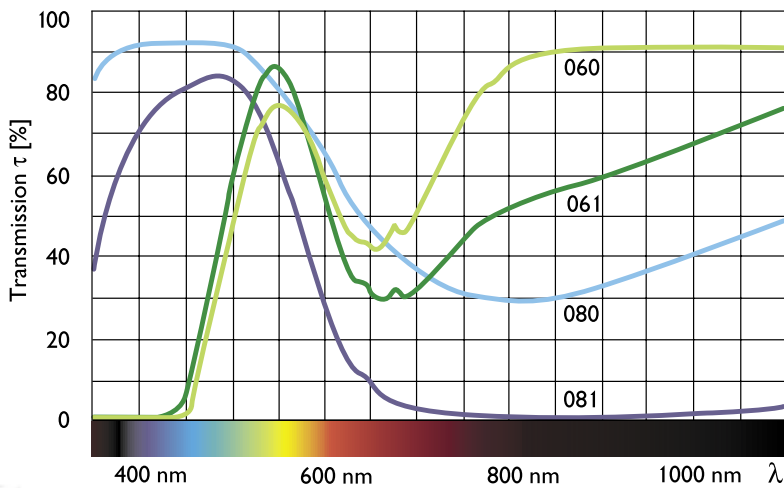
**Examples:**

IF - 060 - E - SN1 - 25.5

(060 filter with MgF<sub>2</sub> coating on both sides, mounted for M25.5)

IFG - 081 - 30

(unmounted 081 filter with no coating, 30 mm diameter)



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