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## 3.0 OD M40.5 x 0.50, Machine Vision Absorptive ND Filter



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#### General

Mounted Imaging Filter **Type:**

#### Physical & Mechanical Properties

35.50 **Clear Aperture CA (mm):**

#### Optical Properties

3.0 **Optical Density OD (Average):**

ND Filter Glass      **Substrate:** □

40-20      **Surface Quality:**

0.10      **Transmission (%):**

425 - 675      **Blocking Wavelength Range (nm):**

### Threading & Mounting

M40.5 x 0.50      **Filter Thread:**

5.2      **Mount Thickness (mm):**

7.0      **Mount Thickness Including Threads (mm):**

### Regulatory Compliance

[View](#)      **Certificate of Conformance:**

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## Product Details

- Multiple Mounting Sizes and Threads Available
- 40-20 Surface Quality
- Helps Minimize Pixel Saturation

Machine Vision Absorptive Neutral Density (ND) Filters are designed to evenly attenuate the intensity of light over a specific wavelength range reaching a camera's sensor. These neutral density filters are spectrally flat in the visible spectrum from 425 – 675nm, so there is little to no effect on color balance. As such, these filters can be used with both monochromatic and color cameras. Machine Vision Absorptive Neutral Density (ND) Filters include both male and female threads, allowing them to be stacked with other neutral density filters to achieve various optical densities. Featuring common machine vision threads from M22 up to M105, these neutral density filters can be easily integrated into a wide variety of systems.