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## M40.5 x 0.50 Machine Vision Mounted Linear Glass Polarizing Filter



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### Product Downloads

### General

Mounted Imaging Filter **Type:**

### Physical & Mechanical Properties

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

42.50 **Diameter (mm):**

Black Anodized Aluminum

**Construction:**

## Optical Properties

Hardcoated

**Coating:**

up to 3000:1 @ ~600nm (nominal)

**Extinction Ratio:**

40-20

**Surface Quality:**

400 - 700

**Wavelength Range (nm):**

## Threading & Mounting

M40.5 x 0.50

**Filter Thread:**

9.6

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

## Regulatory Compliance

[Compliant](#)

**RoHS 2015:**

[View](#)

**Certificate of Conformance:**

[Compliant](#)

**Reach 242:**

## Product Details

- Up to 3000:1 Extinction Ratio (nominal) @ ~600nm
- Mounted in a Rotating, Locking Housing
- 40-20 Surface Quality

Mounted Machine Vision Glass Linear Polarizers feature a rotatable threaded mount with a wide range of common machine vision threads from M22 to M105. A locking thumbscrew allows the polarizer to maintain its orientation in the event of vibrations or accidental movement in a system. In addition to polarizing incident unpolarized light, these linear polarizers can be used to greatly reduce specular glare and hot spots from reflective surfaces, smooth surfaces, or surfaces covered with grease, oil, or liquid. Mounted Machine Vision Glass Linear Polarizers are ideal for machine vision applications in manufacturing, industrial, and laboratory environments.