

# 2.5 OD, 50mm Sq., Precision Anti-Reflection (AR) Coated Absorptive ND Filter



Precision Absorptive Neutral Density (ND) Filters

Stock #16-072 [CONTACT US](#)

1

C\$351<sup>.40</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	C\$351.40 each
Qty 11-25	C\$310.80 each
Qty 26-49	C\$285.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Neutral Density Filter

## Physical & Mechanical Properties

<b>Dimensions (mm):</b> 50.00 x 50.00 +0.00/-0.25	<b>Length (mm):</b> 50.00
<b>Thickness (mm):</b> 2.44 (nominal)	<b>Width (mm):</b> 50.00
<b>Clear Aperture (%):</b> 90	<b>Parallelism (arcsec):</b> <30

## Optical Properties

<b>Optical Density OD (Average):</b> 2.5 ±10% @ 550nm	<b>Glass/Filter Number:</b> SCHOTT NG3
<b>Substrate:</b> ND Filter Glass	<b>Coating:</b> BBAR (450-700nm)
<b>Index of Refraction (n<sub>d</sub>):</b> 1.51	<b>Surface Quality:</b> 80-50
<b>Transmission (%):</b> 0.32	<b>Blocking Wavelength Range (nm):</b> 400 - 700
<b>Transmitted Wavefront, P-V:</b> λ/4	<b>Coating Specification:</b> R <sub>avg</sub> ≤1.0% @ 450 - 700nm @ 0°

## Material Properties

**Transformation Temperature (°C):** 462

## Regulatory Compliance

RoHS 2015: <b>Compliant</b>	Certificate of Conformance: <a href="#">View</a>
REACH 241: <b>Compliant</b>	

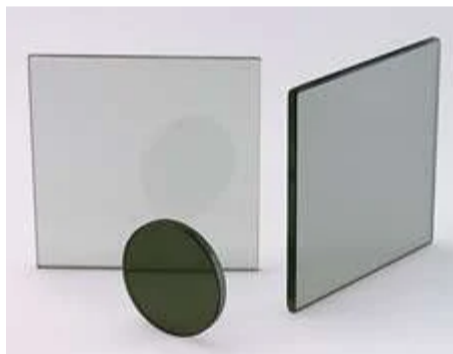
## Product Details

- $\lambda/4$  Transmitted Wavefront Distortion
- AR Coated for 450 - 700nm
- Optical Densities from 0.1 to 4.0 Available
- **Absorptive Neutral Density (ND) Filters** Also Available

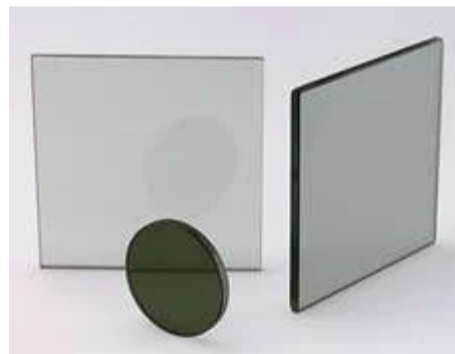
Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters feature SCHOTT NG Colored Glass substrates that are polished to achieve a transmitted wavefront distortion (TWFD) specification of  $\lambda/4$ . These filters are coated on both surfaces with an anti-reflection (AR) coating from 450 - 700nm, reducing back reflections and enabling filter stacking with less losses and artifacts. Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters are available with optical densities from 0.1 to 4.0 and can be stacked together to achieve custom optical densities to meet application requirements. These neutral density filters are available in 25mm diameter or 50mm square sizes and are ideal for machine vision, imaging, or low power laser applications.

## Technical Information

## Frequently Purchased Together



#48-525 - 0.4 OD 12.5mm Dia, Absorptive ND Filter  
C\$50.05

#48-526 - 0.5 OD 12.5mm Dia, Absorptive ND Filter  
C\$50.05






#16-050 - 0.2 OD, 50mm Sq., Precision Anti-Reflection (AR) Coated Absorptive ND Filter  
C\$351.40










 


#16-052 - 0.3 OD, 50mm Sq., Precision Anti-Reflection (AR) Coated Absorptive ND Filter  
C\$351.40

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	Spring Mount Filter Holder, Metric	Fixed		#55-531	C\$122.50 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a> 	40mm Sq., Fixed Filter Holder	Fixed		#54-997	C\$130.90 <a href="#">Request Quote</a>	16 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a> 	Filter Kinematic Mount, 2-Screw	Adjustable - Tip-Tilt		#58-874	C\$170.80 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a> 	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	C\$176.40 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	Filter Kinematic Mount, 3-Screw	Adjustable - Tip-Tilt		#58-875	C\$193.20 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
 	50/50.8mm Sq. Kinematic Mount, 2 Screws	Adjustable - Tip-Tilt		#58-858	C\$200.20 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
 	50/50.8mm Sq. Kinematic Mount, 3 Screws	Adjustable - Tip-Tilt		#58-861	C\$219.80 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

## Resources

### Media Type

- Application Note
- FAQ
- Glossary
- Video

 APPLICATION NOTE

Understanding Neutral Density Filters

 FAQ

What is an ND Filter?

 FAQ

Can I place ND filters back-to-back and increase...

 FAQ

What is the difference between using an absorptiv...

 FAQ

How should I orient my reflective ND or interferenc...

GLOSSARY

Continuously Variable Apodizing Filter

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