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



Precision Absorptive Neutral Density (ND) Filters

Stock #16-056 **2 In Stock**

⊖ 1 ⊕ €251⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	€251,00 each
Qty 11-25	€222,00 each
Qty 26-49	€204,00 each
Need More?	Request Quote

⚠ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

50.00 x 50.00 +0.00/-0.25 **Dimensions (mm):**

Length (mm):

50.00

2.11 (nominal) Thickness (mm):

50.00 Width (mm):

90 Clear Aperture (%):

<30 Parallelism (arcsec):

Optical Properties

0.5 ±10% @550nm Optical Density OD (Average):

SCHOTT NG5 Glass/Filter Number:

ND Filter Glass Substrate:

BBAR (450-700nm) Coating:

1.50 Index of Refraction (n_d):

80-50 Surface Quality:

31.62 Transmission (%):

400 - 700 Blocking Wavelength Range (nm):

λ/4 Transmitted Wavefront, P-V:

R_{avg} ≤1.0% @450 - 700nm @0° Coating Specification:

Material Properties

474 Transformation Temperature (°C):

Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

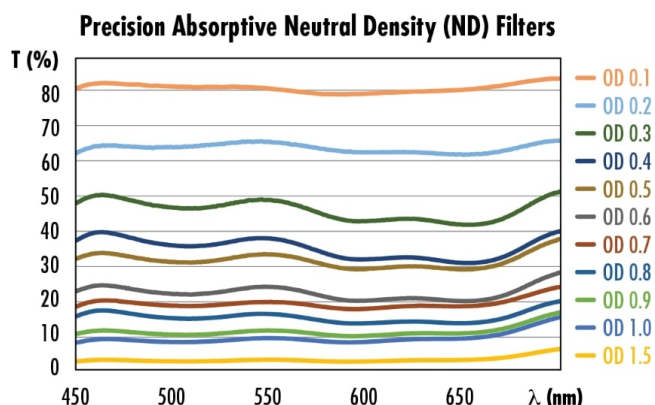
Compliant REACH 241:

Product Details

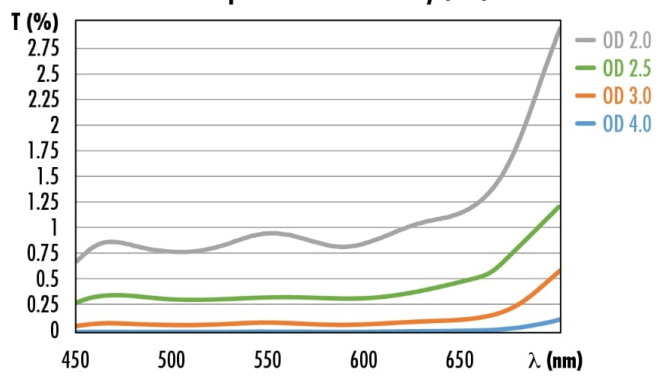
- λ/4 Transmitted Wavefront Distortion
- AR Coated for 450 - 700nm
- Optical Densities from 0.1 to 4.0 Available
- Absorptive Neutral Density (ND) Filters Also Available

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 λ/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.

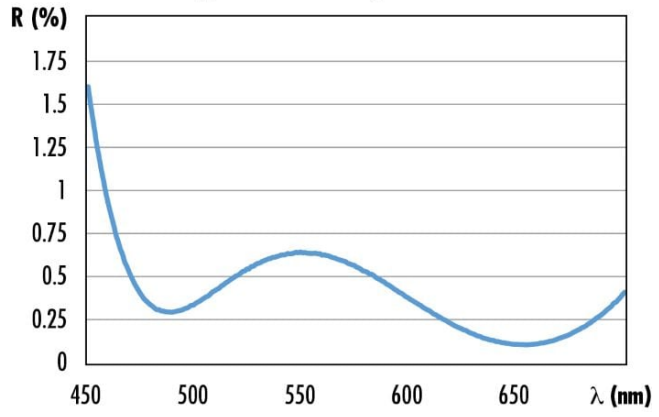
Technical Information



Precision Absorptive Neutral Density (ND) Filters



**Precision Absorptive Neutral Density (ND) Filters
Typical AR Coating Performance**



Compatible Mounts

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