

[See all 28 Products in Family](#)

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**

A\$401⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$401.60 each
Qty 11-25	A\$355.20 each
Qty 26-49	A\$326.40 each
Need More?	Request Quote

Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

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

50.00 **Length (mm):**

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: <input type="checkbox"/>
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

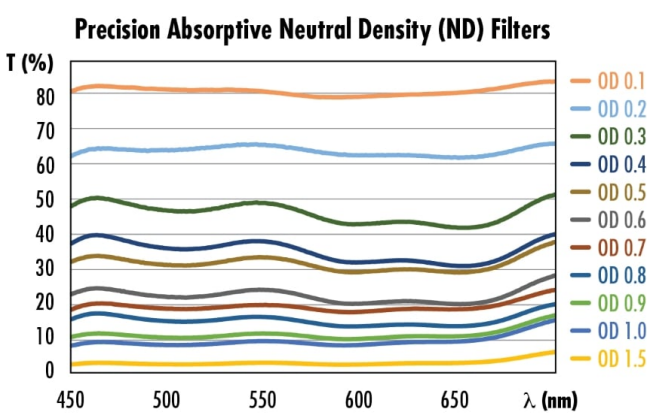
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

Product Details

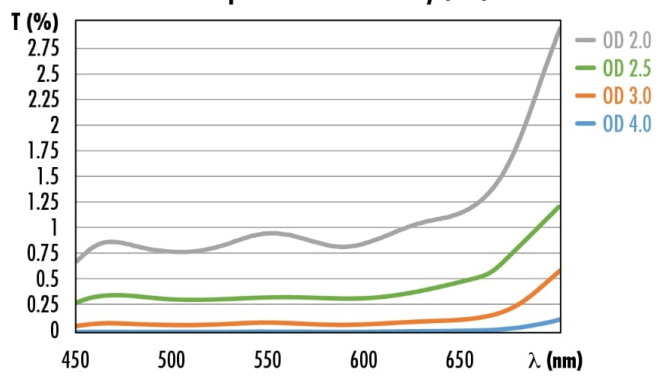
- λ/4 Transmitted Wavefront Distortion
- AR Coated for 450 - 700nm
- Optical Densities from 0.1 to 4.0 Available
- [Absorptive Neutral Density \(ND\) Filters](#) Also Available

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.

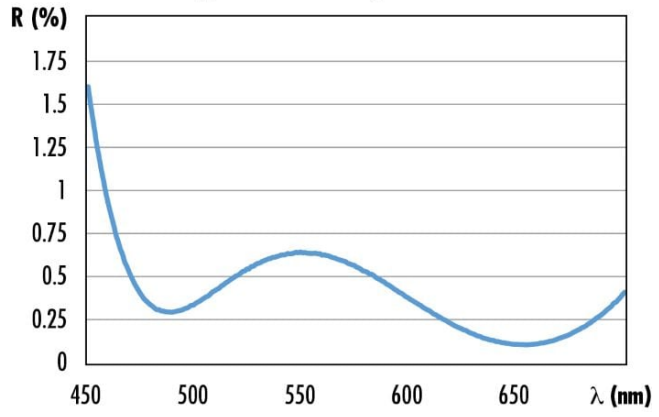
Technical Information



Precision Absorptive Neutral Density (ND) Filters



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



Compatible Mounts

;