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



Precision Absorptive Neutral Density (ND) Filters

Stock **#16-076** [CONTACT US](#)

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+

£200<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | £200.80 each                  |
| Qty 11-25      | £177.60 each                  |
| Qty 26-49      | £163.20 each                  |
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Dimensions (mm):

50.00 x 50.00 +0.00/-0.25

Length (mm):

|                |                       |
|----------------|-----------------------|
| 50.00          |                       |
| 2.82 (nominal) | Thickness (mm):       |
| 50.00          | Width (mm):           |
| 90             | Clear Aperture (%):   |
| <30            | Parallelism (arcsec): |

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Optical Properties                        |                                        |
| 4.0 ±10% @ 550nm                          | Optical Density OD (Average):          |
| SCHOTT NG9                                | Glass/Filter Number:                   |
| ND Filter Glass                           | Substrate: □                           |
| BBAR (450-700nm)                          | Coating:                               |
| 1.51                                      | Index of Refraction (n <sub>d</sub> ): |
| 80-50                                     | Surface Quality:                       |
| 0.01                                      | Transmission (%):                      |
| 400 - 700                                 | Blocking Wavelength Range (nm):        |
| λ/4                                       | Transmitted Wavefront, P-V:            |
| R <sub>avg</sub> ≤1.0% @ 450 - 700nm @ 0° | Coating Specification:                 |

|                     |                                  |
|---------------------|----------------------------------|
| Material Properties |                                  |
| 470                 | Transformation Temperature (°C): |

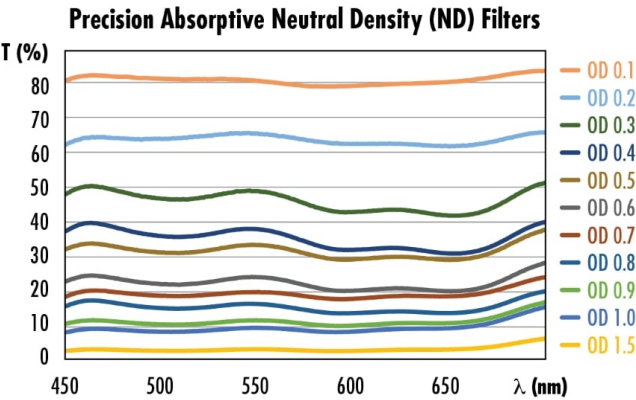
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | REACH 241:                  |

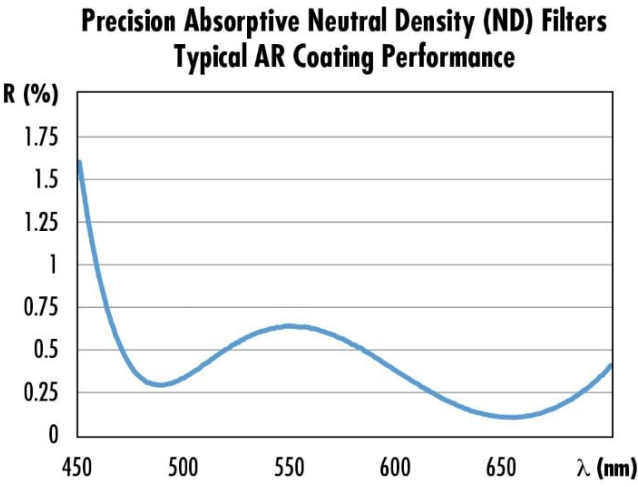
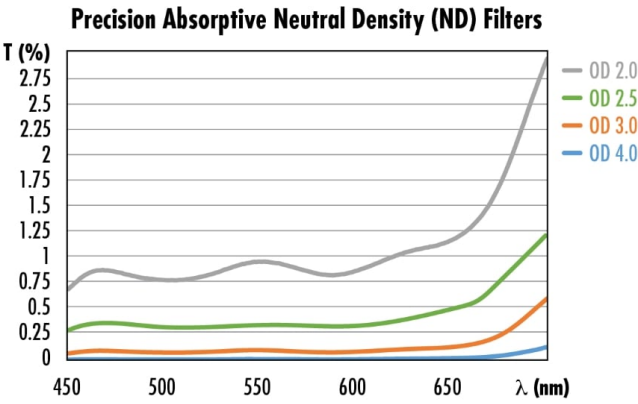
## Product Details

- 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





### Compatible Mounts

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