

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



Precision Absorptive Neutral Density (ND) Filters

Stock **#16-074** **1 In Stock**

-

1

+

S\$334<sup>54</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$334.54 each                |
| Qty 11-25      | S\$295.71 each                |
| Qty 26-49      | S\$271.82 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

## SPECIFICATIONS

### General

Neutral Density Filter

Type:

### Physical & Mechanical Properties

|                           |                       |
|---------------------------|-----------------------|
| 50.00 x 50.00 +0.00/-0.25 | Dimensions (mm):      |
|                           |                       |
| 50.00                     | Length (mm):          |
|                           |                       |
| 2.92 (nominal)            | Thickness (mm):       |
|                           |                       |
| 50.00                     | Width (mm):           |
|                           |                       |
| 90                        | Clear Aperture (%):   |
|                           |                       |
| <30                       | Parallelism (arcsec): |
|                           |                       |

### Optical Properties

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| 3.0 ±10% @ 550nm                          | Optical Density OD (Average):          |
|                                           |                                        |
| SCHOTT NG3                                | Glass/Filter Number:                   |
|                                           |                                        |
| ND Filter Glass                           | Substrate: <input type="checkbox"/>    |
|                                           |                                        |
| BBAR (450-700nm)                          | Coating:                               |
|                                           |                                        |
| 1.51                                      | Index of Refraction (n <sub>d</sub> ): |
|                                           |                                        |
| 80-50                                     | Surface Quality:                       |
|                                           |                                        |
| 0.10                                      | 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

|     |                                  |
|-----|----------------------------------|
| 462 | Transformation Temperature (°C): |
|     |                                  |

### Regulatory Compliance

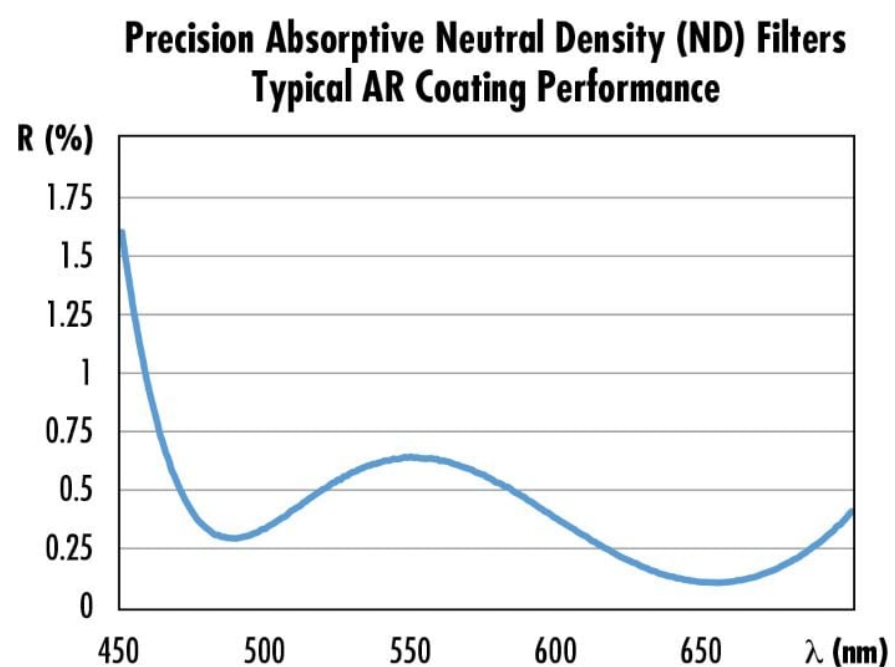
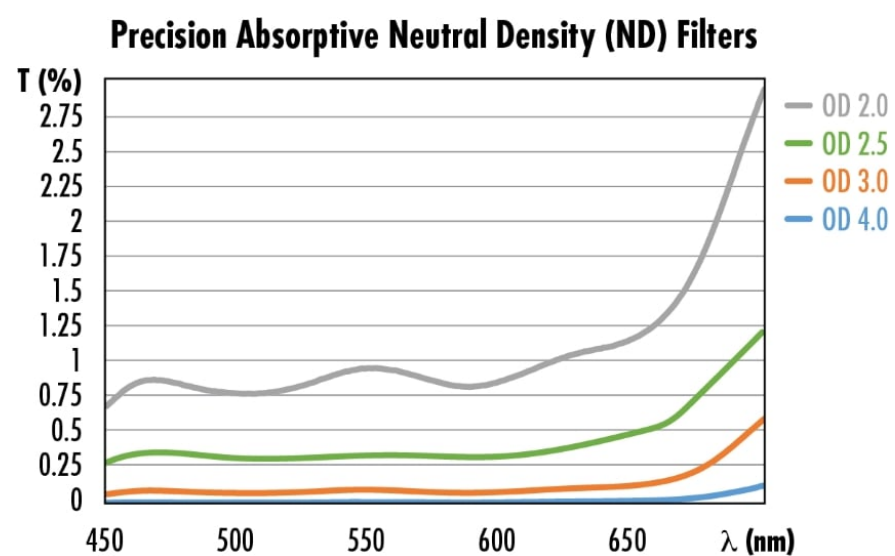
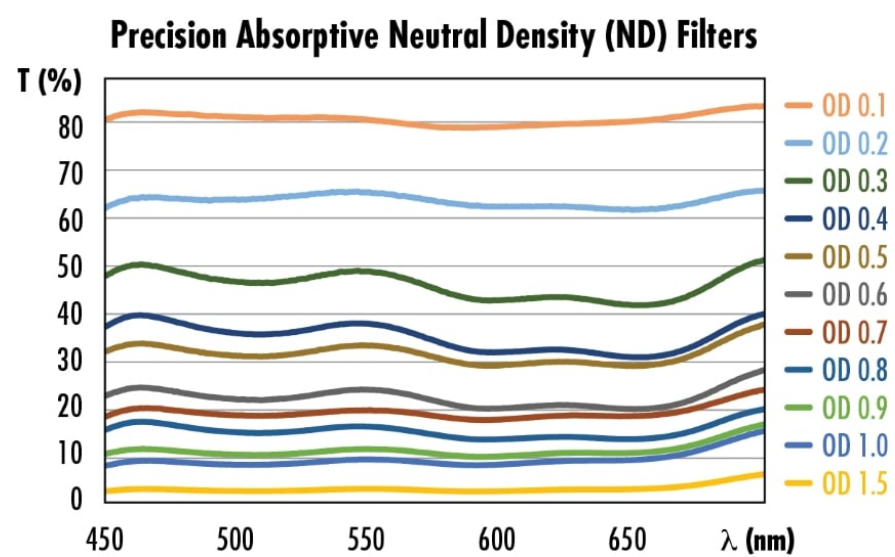
|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
|           |                             |
| View      | Certificate of Conformance: |
|           |                             |
| Compliant | REACH 241:            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

## 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