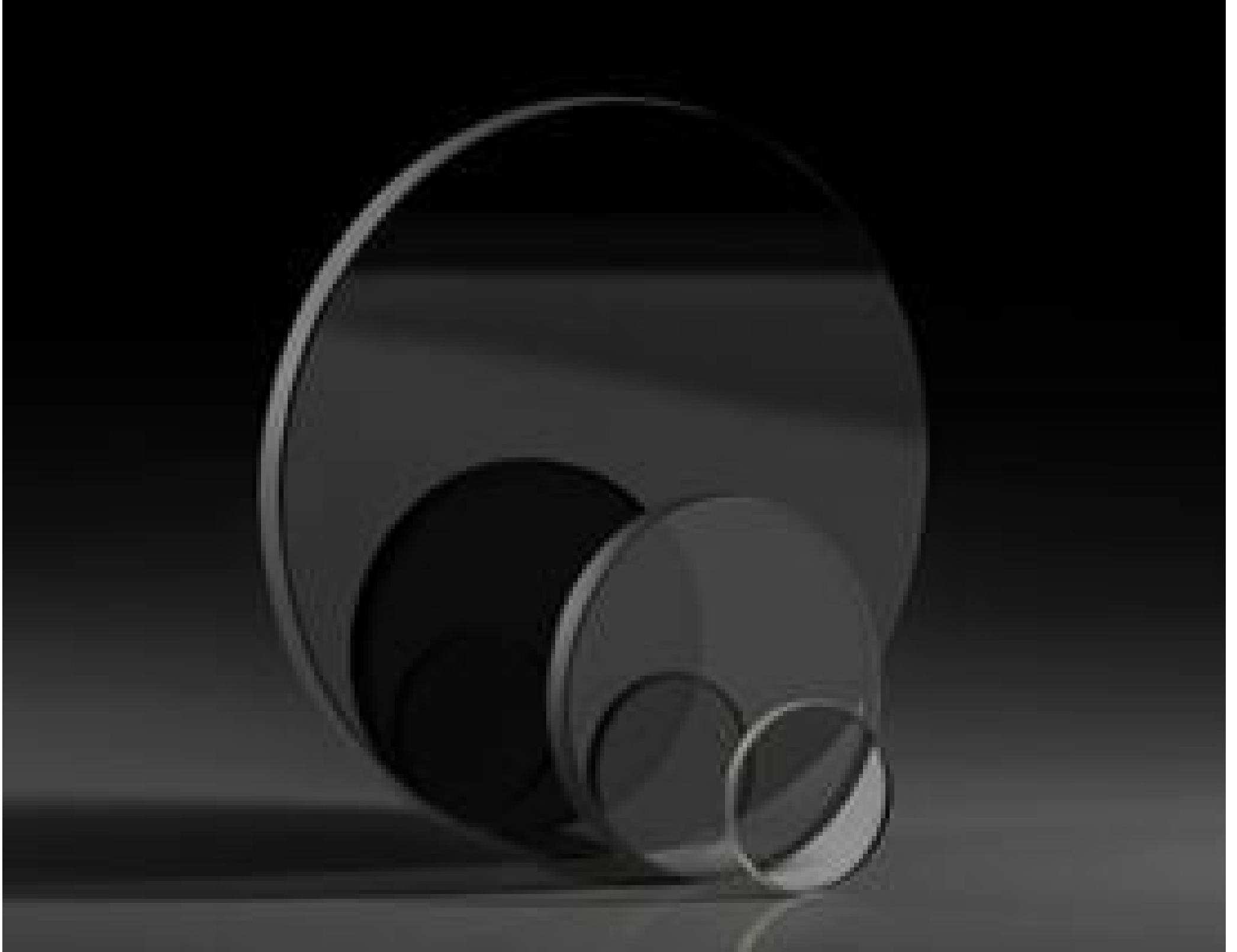


4 OD, 50mm Dia., NIR II Coated, Absorptive ND Filter

See More by [Hoya](#)



Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters

Stock **#13-268** [CONTACT US](#)

⊖ 1 ⊕ **S\$259⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-10	S\$259.00 each
Qty 11-25	S\$228.20 each
Qty 26-49	S\$217.00 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Neutral Density Filter **Type:**

Stock No. of Uncoated Filter:

#36-276

Physical & Mechanical Properties

50.00 Diameter (mm):

2.85 ±0.5 Thickness (mm):

±0.1 Dimensional Tolerance (mm):

<0.02 Parallelism (mm):

Optical Properties

4 ±0.2 @ 400-700nm (Uncoated Filter) Optical Density OD (Average):

2.88 @ 1200nm Nominal Optical Density @ Center of Coating:

Hoya ND006 Glass/Filter Number:

ND Filter Glass Substrate: □

NIR II (750-1550nm) Coating:

1.531 Index of Refraction (n_d):

80-50 Surface Quality:

0.01 (average) @ 400 - 700nm Transmission (%):

400 - 700 Blocking Wavelength Range (nm):

Coating Specification:
R_{abs} ≤1.5% @ 750 - 800nm
R_{abs} ≤1.0% @ 800 - 1550nm
R_{avg} ≤0.7% @ 750 - 1550nm

750 - 1550 Wavelength Range (nm):

Material Properties

542 Transformation Temperature (°C):

Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

Compliant Reach 250:

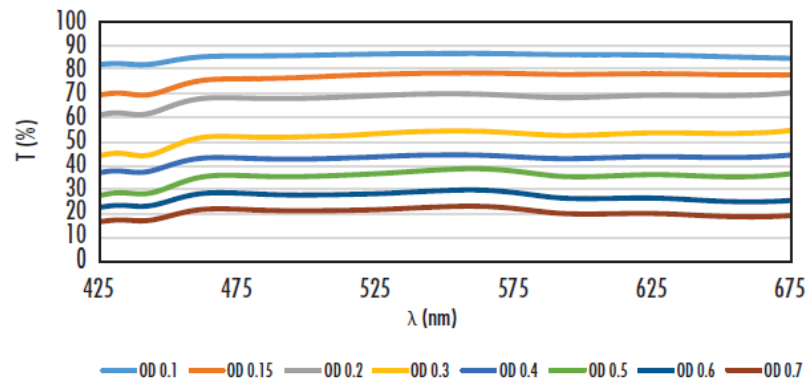
PRODUCT DETAILS

- Optical Densities from 0.1 to 4.0
- VS 0°, NIR I, and NIR II Coating Options
- 12.5, 25, and 50mm Diameter Sizes
- Uncoated [HOYA](#) or [SCHOTT](#) ND Filters Also Available

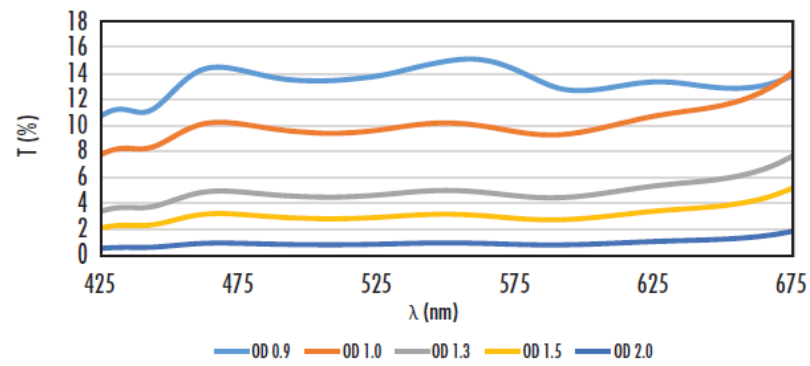
Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters feature HOYA colored glass substrates that are AR coated on both surfaces to reduce back reflections in the visible or near-infrared (NIR) spectra. VS 0°, NIR I, and NIR II broadband AR coatings cover the spectral ranges of 425-675nm, 600-1050nm, and 750-1550nm. These neutral density filters attenuate light via absorption and can be stacked together to achieve custom optical densities to meet application requirements. Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters are ideal for use in imaging and detection applications to reduce stray light, as well as in general filter stacking applications to control intensity. The standard metric diameters of 12.5, 25, and 50mm are compatible with our [TECHSPEC® C, S, and T-Mount Circular Optic Mounts](#) for benchtop applications.

TECHNICAL INFORMATION

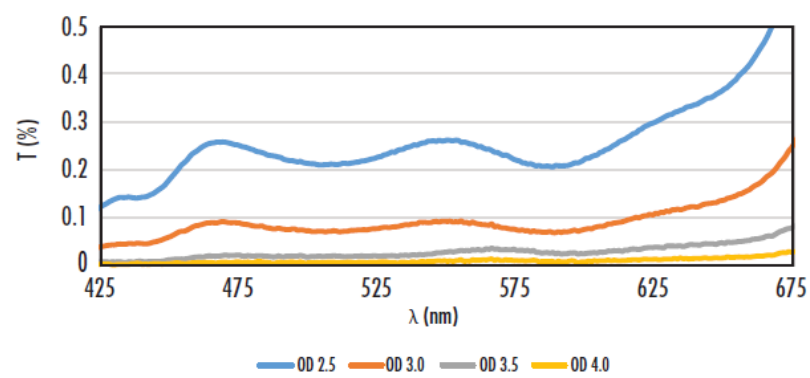
VIS 0° Coated HOYA ND Filters



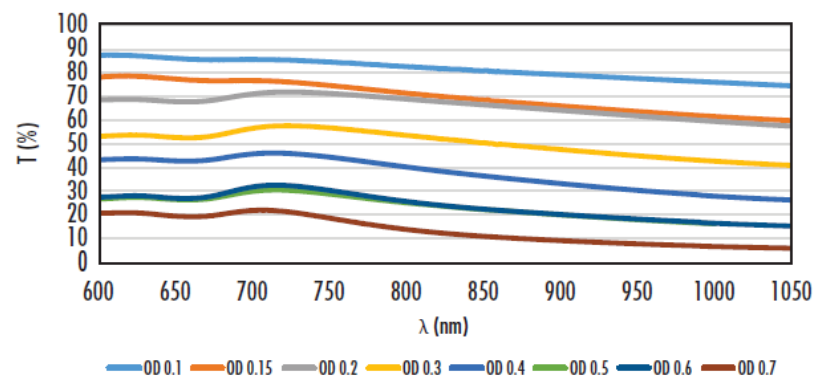
VIS 0° Coated HOYA ND Filters



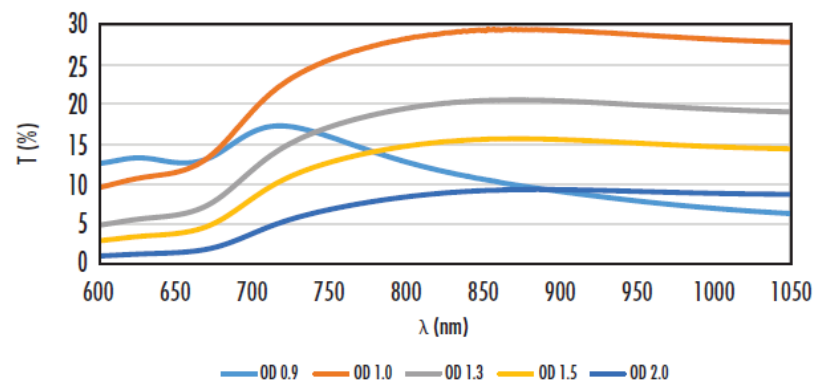
VIS 0° Coated HOYA ND Filters



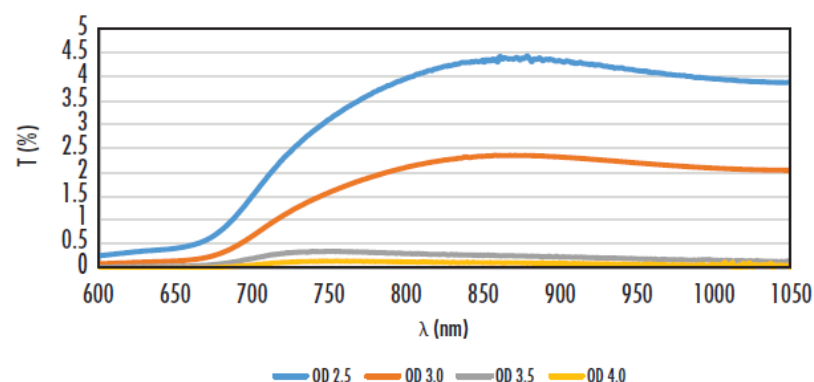
NIR I Coated HOYA ND Filters



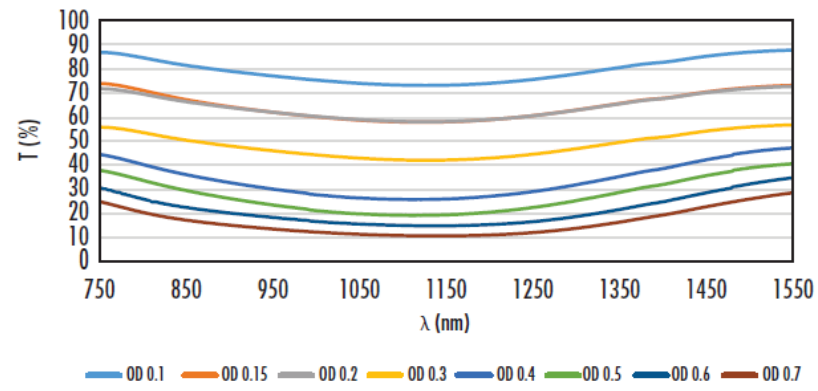
NIR I Coated HOYA ND Filters



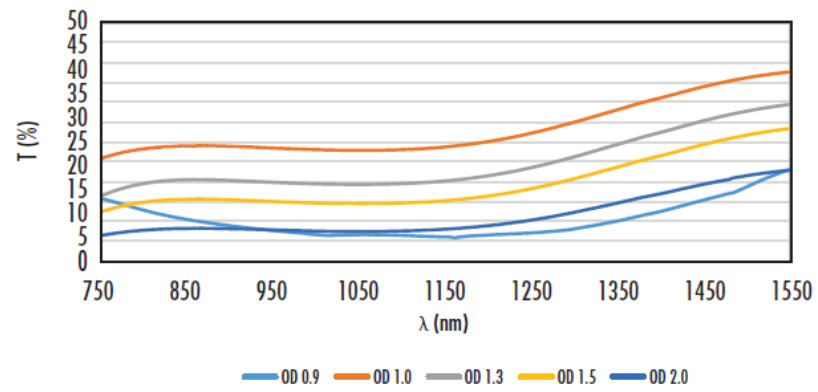
NIR I Coated HOYA ND Filters



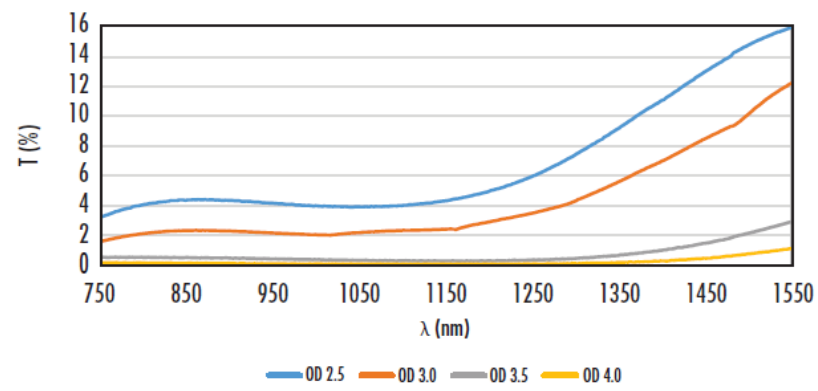
NIR II Coated HOYA ND Filters



NIR II Coated HOYA ND Filters



NIR II Coated HOYA ND Filters



CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

COMPATIBLE MOUNTS