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

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

Stock **#13-256** **7 In Stock**

1 MRP ₹18,665

i Price inclusive of all taxes

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-10 | ₹18,665 each |
| Qty 11-25 | ₹16,446 each |
| Qty 26-49 | ₹15,639 each |
| Need More? | Request Quote |

Product Downloads

General

Neutral Density Filter **Type:**

[#65-812](#) **Stock No. of Uncoated Filter:**

Physical & Mechanical Properties

| | |
|-----------|------------------------------------|
| 50.00 | Diameter (mm): |
| 2.50 ±0.5 | Thickness (mm): |
| ±0.1 | Dimensional Tolerance (mm): |
| <0.02 | Parallelism (mm): |

Optical Properties

| | |
|--|---|
| 0.4 ±0.05 @ 400-700nm (Uncoated Filter) | Optical Density OD (Average): |
| 0.55 @ 1200nm | Nominal Optical Density @ Center of Coating: |
| Hoya ND40 | Glass/Filter Number: |
| ND Filter Glass | Substrate: <input type="checkbox"/> |
| NIR II (750-1550nm) | Coating: |
| 1.504 | Index of Refraction (n_d): |
| 80-50 | Surface Quality: |
| 40.0 (average) @ 400 - 700nm | Transmission (%): |
| 400 - 700 | Blocking Wavelength Range (nm): |
| R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm | Coating Specification: |
| 750 - 1550 | Wavelength Range (nm): |

Material Properties

| | |
|-----|---|
| 525 | Transformation Temperature (°C): |
|-----|---|

Regulatory Compliance

| | |
|---|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 250: |
| Japan | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

Need different specs or modifications?

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](#).

Product Details

- Optical Densities from 0.1 to 4.0
- VIS 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. VIS 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





Compatible Mounts

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