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TECHSPEC® 1.0 OD 12.5mm Diameter UV-VIS ND Filter



Stock #48-620 **16 In Stock**

⊖ 1 ⊕ S\$142.⁰⁰

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Volume Pricing	
Qty 1-5	S\$142.80 each
Qty 6-25	S\$114.10 each
Qty 26-49	S\$107.10 each
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Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

12.50 +0.00/-0.20 **Diameter (mm):**

1.50 ±0.10 **Thickness (mm):**

80.00 Clear Aperture (%):

<5 Parallelism (arcsec):

Optical Properties

1.0 Optical Density OD (Average):

[Fused Silica](#) (Coming 7980) Substrate:

Metallic Based ND Coating:

40-20 Surface Quality:

10.00 Transmission (%):

250 - 700 Blocking Wavelength Range (nm):

$\lambda/4$ Transmitted Wavefront, P-V:

± 10 Optical Density Tolerance (%):

Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) REACH 241:

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

- Ideal for 250-700nm Sources
- Optical Densities Ranging from 0.3 to 3.0

TECHSPEC® UV-VIS Neutral Density (ND) Filters are spectrally flat from 250 to 700nm and feature outstanding parallelism and surface characteristics. This combination of high tolerance and broadband performance makes these filters ideal for attenuating a wide range of sources. The filters are suitable for low power laser applications and can be stacked to obtain a variety of optical densities. TECHSPEC UV-VIS Neutral Density (ND) should have their mirrored side oriented toward the source at a 0° angle of incidence. Optical Densities of 0.5, 1.0, 1.5, 2.0, 2.5 and 3.0 available in a [Pre-Loaded Filter Wheel](#).

Note: Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact kits@edmundoptics.com.

TECHSPEC® UV-VIS Reflective Neutral Density Filter Kit

Each kit includes 8 filters in optical density values of 0.3, 0.5, 1.0, 1.3, 1.5, 2.0, 2.5, and 3.0. The kit is ideal for determining precise system optical density requirements. Custom densities are available for OEM applications.

Compatible Mounts