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TECHSPEC® 0.5 OD 50mm Dia., NIR ND Filter



Near-IR (NIR) Neutral Density (ND) Filters

Stock **#62-673** **5 In Stock**

⊖ 1 ⊕ A\$353⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$353.60 each
Qty 6-25	A\$283.20 each
Qty 26-49	A\$268.80 each
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Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

50.00 +0.0/-0.2 **Diameter (mm):**

5.00 +0.00/-0.10 **Thickness (mm):**

80 Clear Aperture (%):

<5 Parallelism (arcsec):

Optical Properties

0.5 Optical Density OD (Average):

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

Metallic Based ND Coating:

40-20 Surface Quality:

32.00 Transmission (%):

700 - 1100 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:

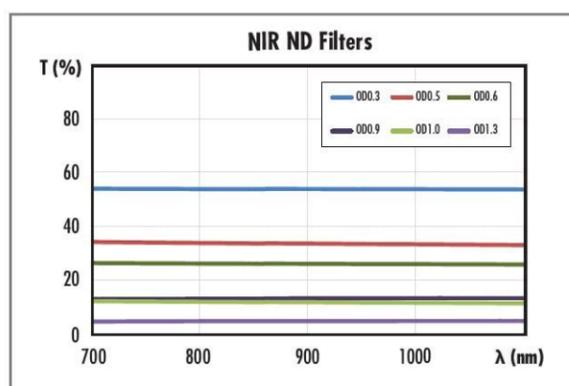
Product Details

- Ideal for NIR Wavelengths 700-1100nm
- Optical Densities Ranging from 0.3 to 3.0

TECHSPEC® Near-IR (NIR) Neutral Density (ND) Filters feature a spectrally flat region between 700 and 1100nm, outstanding parallelism, and exceptional surface characteristics. The combination of high tolerance and broadband performance makes our filters ideal for attenuating a wide range of IR sources. The UV Fused Silica substrate features a low coefficient of thermal expansion and excellent surface quality, making these filters suitable for attenuating low power lasers, including lasers at the 1064nm Nd:YAG wavelength. Other applications include NIR spectroscopy, machine vision, and analytical chemistry. TECHSPEC Near-IR (NIR) Neutral Density (ND) Filters may be stacked to obtain a variety of optical densities. Orient the mirrored side 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 are 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.

Technical Information



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

