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TECHSPEC® 1.3 OD 50mm Dia., NIR ND Filter



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

Stock **#62-677** **7 In Stock**

⊖ 1 ⊕ **S\$309⁰⁰**

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Volume Pricing	
Qty 1-5	S\$309.40 each
Qty 6-25	S\$247.80 each
Qty 26-49	S\$235.20 each
Need More?	Request Quote

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):**

Clear Aperture (%):
80

Parallelism (arcsec):
<5

Optical Properties

Optical Density OD (Average):
1.3

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

Coating:
Metallic Based ND

Surface Quality:
40-20

Transmission (%):
5.00

Blocking Wavelength Range (nm):
700 - 1100

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

Optical Density Tolerance (%):
 ± 10

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

REACH 241:
[Compliant](#)

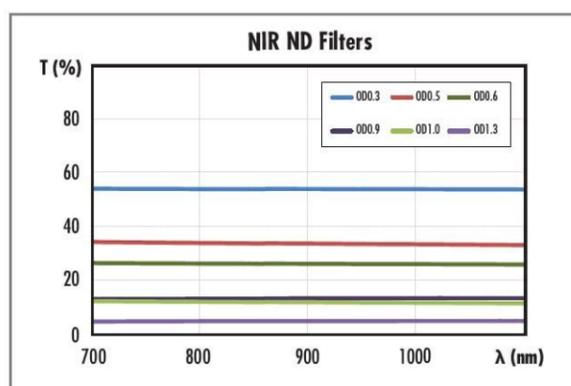
Product Details

- 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

