

**TECHSPEC® 3.5 OD 12.5mm Dia., NIR ND Filter**



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

Stock **#36-262** **20+ In Stock**

⊖ 1 ⊕ A\$159<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	A\$159.20 each
Qty 6-25	A\$127.20 each
Qty 26-49	A\$120.80 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Neutral Density Filter **Type:**

**Physical & Mechanical Properties**

12.50 +0.0/-0.2 **Diameter (mm):**

1.50 ±0.10 **Thickness (mm):**

Clear Aperture (%):  
80

Parallelism (arcsec):  
<5

## Optical Properties

Optical Density OD (Average):  
3.5

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

Coating:  
Metallic Based ND

Surface Quality:  
40-20

Transmission (%):  
0.03

Blocking Wavelength Range (nm):  
700 - 1100

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

Optical Density Tolerance (%):  
 $\pm 10$

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

REACH 241:  
[Compliant](#)

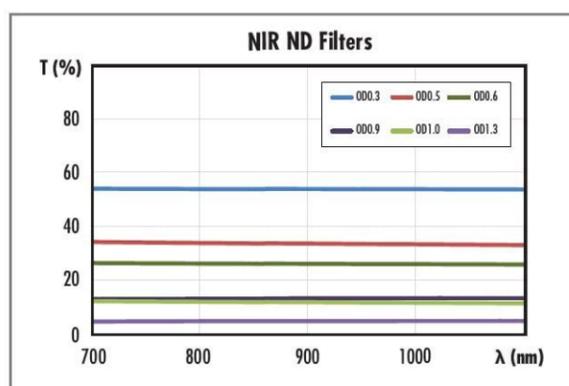
## Product Details

- 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](mailto: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

