

TECHSPEC[®] 5.0 OD 50mm Dia., NIR ND Filter



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

Stock **#36-438** 10 In Stock

-

1

+

€221⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€221,00 each
Qty 6-25	€177,00 each
Qty 26-49	€168,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.2

Thickness (mm):

5.00 ±0.10	
80	Clear Aperture (%):
<5	Parallelism (arcsec):
Optical Properties	
5.00	Optical Density OD (Average):
Fused Silica (Corning 7980)	Substrate: ☐
Metallic Based ND	Coating:
40-20	Surface Quality:
0.001	Transmission (%):
700 - 1100	Blocking Wavelength Range (nm):
λ/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

