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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**

MRP ₹22,297

Price inclusive of all taxes

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹22,297 each |
| Qty 6-25 | ₹17,858 each |
| Qty 26-49 | ₹16,950 each |
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Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

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

Thickness (mm):

5.00 +0.00/-0.10

80 **Clear Aperture (%)**:

<5 **Parallelism (arcsec)**:

Optical Properties

0.5 **Optical Density OD (Average)**:

Substrate:
Fused Silica (Coming 7980)

Coating:
Metallic Based ND

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

RoHS 2015:
Compliant

Certificate of Conformance:
View

REACH 241:
Compliant

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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 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



Compatible Mounts

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