

TECHSPEC[®] 0.5 OD 12.5mm Dia., NIR ND Filter



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

Stock **#47-826** **4 In Stock**

-

1

+

€99^{.50}

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Volume Pricing	
Qty 1-5	€99,50 each
Qty 6-25	€79,50 each
Qty 26-49	€75,50 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.2

Thickness (mm):

1.50 ±0.10	
	Clear Aperture (%):
80	
	Parallelism (arcsec):
<5	
Optical Properties	
	Optical Density OD (Average):
0.5	
Fused Silica (Corning 7980)	Substrate: ☐
	Coating:
Metallic Based ND	
	Surface Quality:
40-20	
	Transmission (%):
32.00	
	Blocking Wavelength Range (nm):
700 - 1100	
	Transmitted Wavefront, P-V:
λ/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

