

[See all 66 Products in Family](#)

SCHOTT NG4, 1.0 OD, 50mm Sq., Absorptive ND Filter

See More by [SCHOTT Optical Components](#)



Stock #14-048 **7 In Stock**

- 1 + £78.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	£78.00 each
Qty 11-49	£68.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

50.0 x 50.0 **Dimensions (mm):**

50.00 **Length (mm):**

1.90 (nominal)	Thickness (mm):
50.00	Width (mm):
≤3	Parallelism (arcmin):
±0.2	Dimensional Tolerance (mm):

Optical Properties

1.0 ±0.03 @ 546nm	Optical Density OD (Average):
SCHOTT NG4	Glass/Filter Number:
Uncoated	Coating:
1.51	Index of Refraction (n_d):
60-40	Surface Quality:
10.00 ±0.6% @ 546nm	Transmission (%):
400 - 700	Wavelength Range (nm):

Material Properties

483	Transformation Temperature (°C):
-----	---

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

- Tightly Controlled Transmission Specifications
- NG4, NG9, or NG11 Glass Types
- Specified Optical Densities from 0.15 to 5.0
- Provide Even Light Attenuation in the Visible Spectrum
- **SCHOTT NG Gray Glass** Also Available

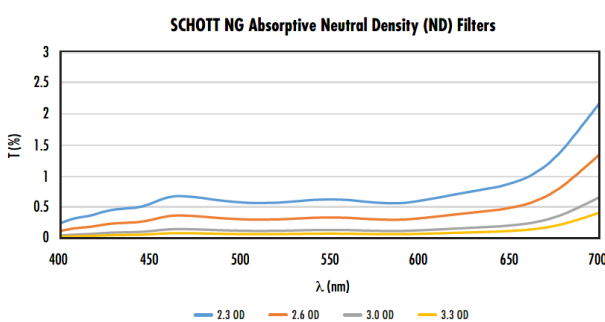
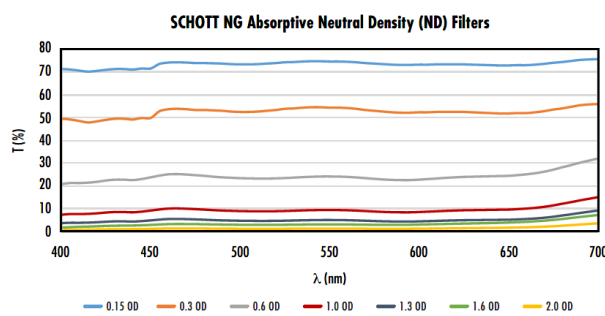
SCHOTT NG Absorptive Neutral Density (ND) Filters consist of NG4, NG9, or NG11 SCHOTT glass types and provide even light attenuation through absorption in the visible spectrum. These filters are manufactured to achieve a specified optical density, ranging from 0.15 to 5.0, to simplify integration into optical systems. SCHOTT NG Absorptive Neutral Density (ND) Filters are available in a standard 50 x 50mm size and multiple filters can be stacked to achieve custom optical densities. Custom sizes from 5 to 160mm as well as custom optical densities or transmission values for specific wavelengths are available on request; for more information, visit our [Colored Glass Filter Manufacturing](#) capabilities webpage. [SCHOTT NG Gray Glass Filters](#) are also available.

Each filter lot is measured and thickness is adjusted to meet the specified transmission value at 546nm. Variations in filter lot performance can result in variations in nominal thickness; however, the transmission variations between lots will be minimal.

Filter Simulation Software

[Click here](#) to download SCHOTT's colored glass filter calculation program which can be used to calculate the internal transmittance and external transmission of each SCHOTT glass type. The program can simulate the performance of individual filters with user specified thickness or of stacked filters with varying glass types and thicknesses.

Technical Information





Quote Your Size

Compatible Mounts