

[See all 66 Products in Family](#)

# SCHOTT NG9, 2.3 OD, 50mm Sq., Absorptive ND Filter

See More by [SCHOTT Optical Components](#)



Stock **#14-056** **5 In Stock**

-

1

+

S\$136<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$136.50 each                |
| Qty 11-49      | S\$119.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Dimensions (mm):

50.0 x 50.0

Length (mm):

50.00

Thickness (mm):

|                |                             |
|----------------|-----------------------------|
| 1.60 (nominal) |                             |
|                | Width (mm):                 |
| 50.00          |                             |
|                | Parallelism (arcmin):       |
| ≤3             |                             |
|                | Dimensional Tolerance (mm): |
| ±0.2           |                             |

|                       |                                        |
|-----------------------|----------------------------------------|
| Optical Properties    |                                        |
|                       | Optical Density OD (Average):          |
| 2.3 ±0.07 @ 546nm     |                                        |
|                       | Glass/Filter Number:                   |
| SCHOTT NG9            |                                        |
|                       | Coating:                               |
| Uncoated              |                                        |
|                       | Index of Refraction (n <sub>d</sub> ): |
| 1.51                  |                                        |
|                       | Surface Quality:                       |
| 60-40                 |                                        |
|                       | Transmission (%):                      |
| 0.500 ±0.085% @ 546nm |                                        |
|                       | Wavelength Range (nm):                 |
| 400 - 700             |                                        |

|                     |                                  |
|---------------------|----------------------------------|
| Material Properties |                                  |
|                     | Transformation Temperature (°C): |
| 470                 |                                  |

|                           |                             |
|---------------------------|-----------------------------|
| Regulatory Compliance     |                             |
|                           | Certificate of Conformance: |
| <a href="#">View</a>      |                             |
|                           | Reach 240:                  |
| <a href="#">Compliant</a> |                             |

## 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

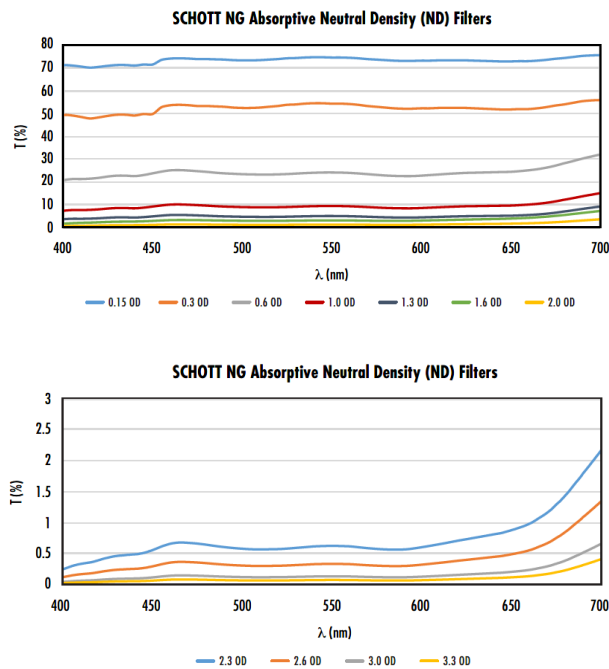
SCHOTT NG Absorptive Neutral Density (ND) Filters consist of NG4, NG9, or NG11 SCHOTT glass types and provide even light attenuation through absorption in the visible spectrum. These filters are manufactured to achieve a specified optical density, ranging from 0.15 to 5.0, to simplify integration into optical systems. SCHOTT NG Absorptive Neutral Density (ND) Filters are available in a standard 50 x50mm 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