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# SCHOTT NG9 785nm 50mm Sq., 3.0 OD ND Filter

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**General**

Neutral Density Filter **Type:**

**Physical & Mechanical Properties**

50.0 x 50.0 ±0.2 **Dimensions (mm):**

48.5 x 48.5 **Clear Aperture CA (mm):**

**Thickness (mm):**

3.50 (nominal)

≤3 **Parallelism (arcmin):**

Fine Ground **Edges:**

0.5 x 45° **Bevel:**

Plano **Shape of Back Surface:**

## Optical Properties

**Optical Density OD (Average):**  
3.0 ± 0.048 at Calibrated Wavelength

**Design Wavelength DWL (nm):**  
785

**Glass/Filter Number:**  
[SCHOTT NG9](#)

Uncoated **Coating:**

60-40 **Surface Quality:**

0.1 ± 0.02 at Calibrated Wavelength **Transmission (%):**

## Material Properties

469 **Transformation Temperature (°C):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Calibrated for Specific Wavelengths
- Optical Densities Ranging from 0.3 to 3.0
- NG3, NG4, NG5, NG9, or NG11 Glass Types

SCHOTT Calibrated Neutral Density (ND) Filters are tested and calibrated to a precision optical density tolerance at either 405nm, or 633nm, or 785nm. Manufactured from NG3, NG4, NG5, NG9, or NG11 SCHOTT Glass, the filters are ideal for providing precise attenuation at common laser wavelengths. Available in optical densities ranging from 0.3 to 3.0, these filters can be integrated into a variety of optical systems and experiments. SCHOTT Calibrated Neutral Density (ND) Filters are available in a standard 50 x 50mm size and multiple filters can be stacked to achieve custom optical densities. The measured OD value for each filter at the specified wavelength is referenced on the box.

**Note:** Please contact us if your application requires a custom size SCHOTT Calibrated Neutral Density (ND) Filter.

**Quote Your Size**