

SCHOTT NG9 785nm 50mm Sq., 2.0 OD ND Filter

See More by [SCHOTT Optical Components](#)



Stock #21-379 **4 In Stock**

1 MRP ₹19,472

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-9 | ₹19,472 each |
| Qty 10-25 | ₹17,455 each |
| Need More? | Request Quote |

| Product Downloads | |
|-------------------|------------------------------|
| STEP:step | Curve:pdf |
| PDF Drawing:pdf | IGES:igs |
| eDrawing:eprt | |
| EO Spec Sheet | Download All |

General

Type: Neutral Density Filter

Physical & Mechanical Properties

| | | | |
|-------------------------------|------------------|--------------------------------|-------------|
| Dimensions (mm): | 50.0 x 50.0 ±0.2 | Clear Aperture CA (mm): | 48.5 x 48.5 |
| Thickness (mm): | 2.24 (nominal) | Parallelism (arcmin): | ≤3 |
| Edges: | Fine Ground | Bevel: | 0.5 x 45° |
| Shape of Back Surface: | Plano | | |

Optical Properties

| | | | |
|--------------------------------------|-------------------------------------|------------------------------------|----------------------------------|
| Optical Density OD (Average): | 2.0 ±0.048 at Calibrated Wavelength | Design Wavelength DWL (nm): | 785 |
| Glass/Filter Number: | SCHOTT NG9 | Coating: | Uncoated |
| Surface Quality: | 60-40 | Transmission (%): | 1 ±0.22 at Calibrated Wavelength |

Material Properties

| | |
|---|-----|
| Transformation Temperature (°C): | 469 |
|---|-----|

Regulatory Compliance

| | |
|------------------------------------|---|
| Certificate of Conformance: | View |
| Country of Origin: | Malaysia |
| Imported By: | Edmund Optics India Private Limited 267, Greystone |

Building,
 Second Floor,
 6th Cross Rd,
 Binnamangala,
 Stage 1,
 Indiranagar,
 Bengaluru,
 Karnataka,
 India 560038
 Phone: +91-
 80-6845 0000

Product Details

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

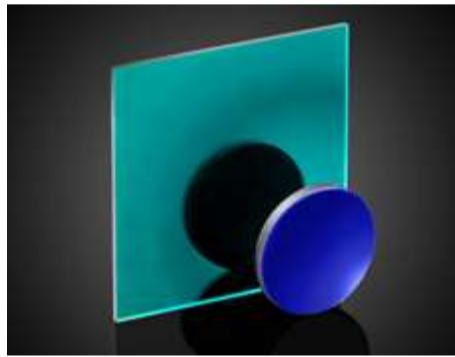
SCHOTT Calibrated Neutral Density (ND) Filters are tested and calibrated to a precision optical density tolerance at either 405nm, or 633nm, or 785nm. Manufactured from NG3, NG4, NG5, NG9, or NG11 SCHOTT Glass, the filters are ideal for providing precise attenuation at common laser wavelengths. Available 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.

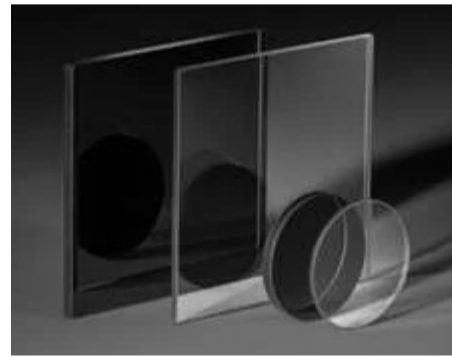
Related Products



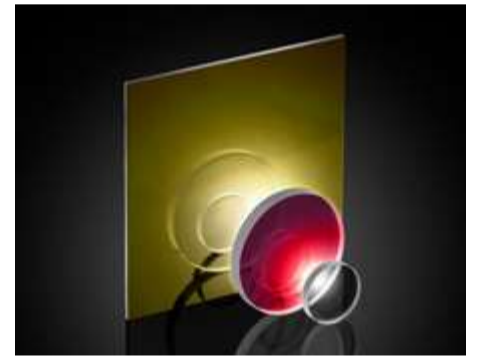
Machine Vision Absorptive Neutral Density (ND) Filters



SCHOTT Colored Glass Bandpass Filters



SCHOTT NG Gray Glass Neutral Density (ND) Filters



SCHOTT Colored Glass Longpass Filters

Quote Your Size

PLEASE ENTER YOUR REQUIRED SPECIFICATIONS HERE:

Glass Type ⓘ

Filter Number

Thickness (mm) ⓘ

Shape ⓘ

Diameter (mm) ⓘ

Length (mm) ⓘ

Width (mm) ⓘ

Quantity

[GET PRICING](#)

TYPICAL 3-4 WEEK DELIVERY. DELIVERY DATE TO BE CONFIRMED AT TIME OF ORDER.

Standard Manufacturing Tolerances:

General Information SCHOTT Optical Filter Glass:

| | |
|----|--|
| BG | Blue, blue-green, and multiband glasses |
| GG | Nearly colorless to yellow glasses, IR transmitting |
| KG | Virtually colorless glasses with high transmission in the visible and absorption in the IR |
| NG | Neutral density glasses with uniform attenuation in the visible range |
| OG | Orange glasses, IR transmitting |
| RG | Red and black glasses, blocking visible, IR transmitting |
| UG | Black and blue glasses, UV transmitting |
| VG | Green glasses |
| WG | Colorless glasses with different cut-offs in the UV, transmitting in the visible and IR ranges |

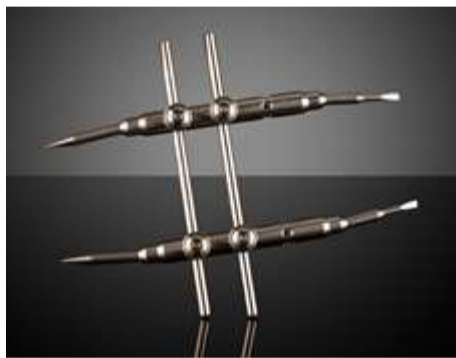
Note: The spectral curves above show the internal transmittance of the individual optical filter glasses

[ADDITIONAL CAPABILITIES](#)

| | |
|---------------------------------|---|
| Edge length and diameter | +/-0.2 mm |
| Thickness | For ≤ 1mm: ± 0.1mm For > 1 – 3mm: ± 0.2mm |
| Surface Quality | 60 – 40 |
| Surface Accuracy | ≤8 Waves |
| Parallelism | ≤3 arcmin |
| Clear Aperture | ≥90% |
| Edges & Bevels | Round parts ≥ ø5mm: polished edges & protective bevel Square & rectangular parts < 50 x 50mm: polished edges, no bevel |
| Edge Chips | For ≤ ø80mm: < 0.3mm (5/E0.3), for ≥ ø81mm < 0.6mm (5/E0.6) |

| | |
|---|------------|
| Surface quality according to DIN ISO 10110: | |
| Polishing quality | P2 |
| Defects | 5/3 x 0.63 |
| All edges machined | |
| Round filters with chamfer max. 0.5mm, square and rectangular < 50x50mm without chamfer | |
| Edge chips permitted up to 5/E0.3 | |

Frequently Purchased Together



#11-130 – Spanner Wrench
₹7,540



#12-783 – Metric Engraving, 80 x 199mm Target Grid, Laser Alignment Beam Block
₹3,885



#12-784 – Metric Engraving, 50 x 112mm Target Grid, Laser Alignment Beam Block
₹3,178

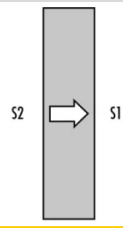


#14-410 – SCHOTT BG18, 50mm Sq., 2mm Thick, Colored Glass Bandpass Filter
₹10,594

Resources

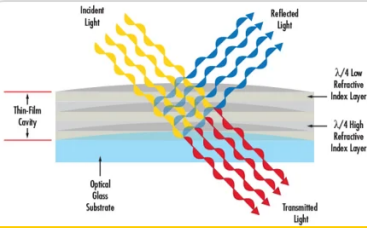
Media Type

- Application Note
- FAQ
- Glossary
- Video
- Published Article
- Trending in Optics



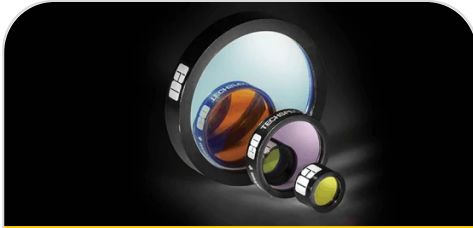
APPLICATION NOTE

The Importance of Optical Filter Orientation....



APPLICATION NOTE

Optical Filters




? FAQ

How do I clean my filters?




? FAQ

What is the largest diameter filter available from...



? FAQ

What are some of the most common filter substrates?



? FAQ

How do I select the right filter for my application?

[View More](#)