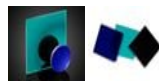
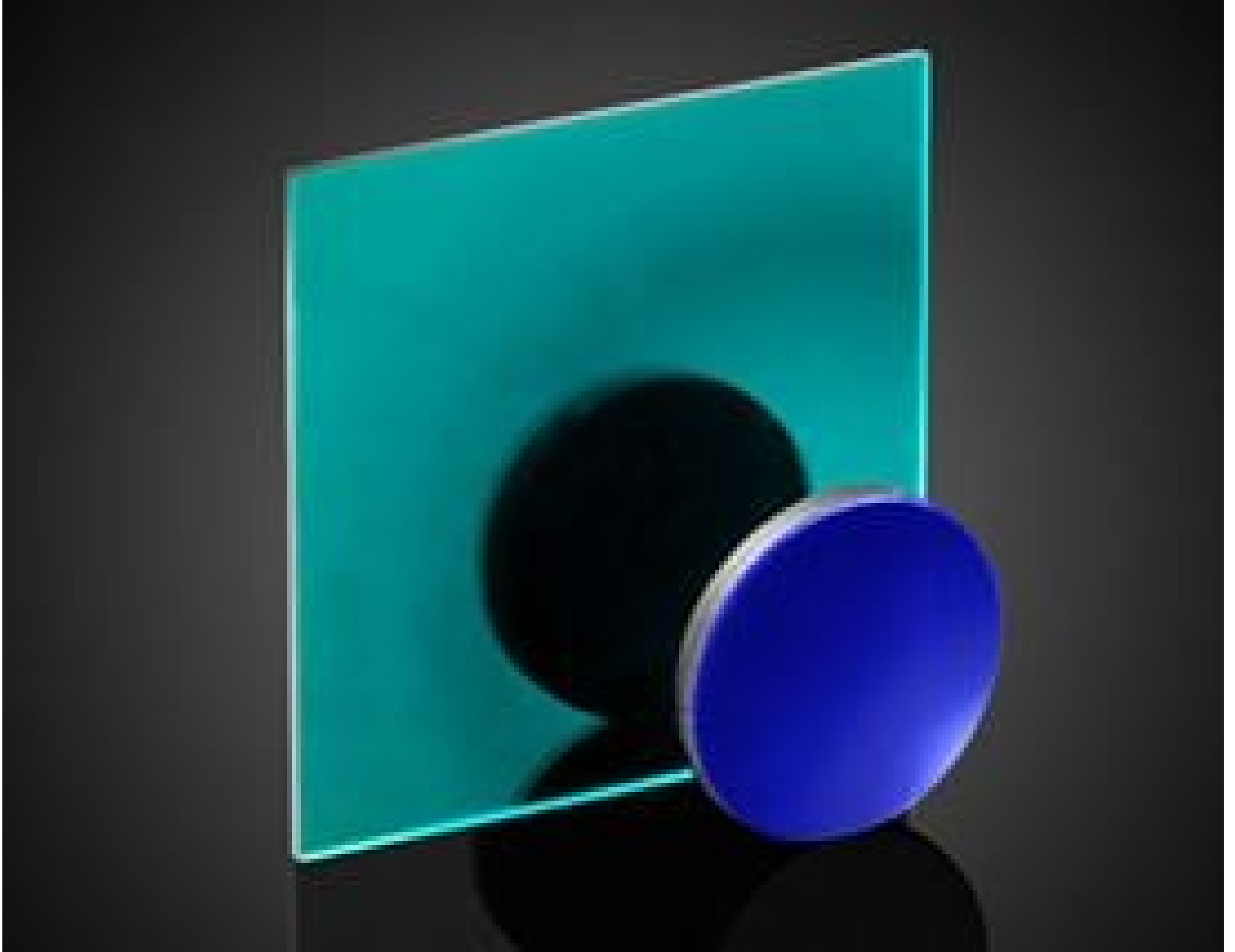


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SCHOTT BG50, 50mm Sq., 2mm Thick, Colored Glass Bandpass Filter

See More by [SCHOTT Optical Components](#)



Stock #14-428 **5 In Stock**

⊖ 1 ⊕ €199.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€199,00 each
Qty 6-10	€179,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Bandpass Filter **Type:**

Physical & Mechanical Properties

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

50.00	Length (mm):
2.00 ±0.2	Thickness (mm):
50.00	Width (mm):
Protective as needed	Bevel:

Optical Properties

500.00	Center Wavelength CWL (nm):
SCHOTT BG50	Glass/Filter Number:
Uncoated	Coating:
Blue-Green	Color:
1.53	Index of Refraction (n_d):
60-40	Surface Quality:
UV-VIS	Wavelength:

Material Properties

2.61	Density (g/cm³):
452	Transformation Temperature (°C):

Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- 20 Standard SCHOTT Glass Types
- Standard Circular and Square Sizes with 1, 2, or 3mm Thickness
- UV, Visible, and IR Bandpass Regions

SCHOTT Colored Glass Bandpass Filters are available in 16 different standard SCHOTT colored glass types. Featuring high transmission and deep blocking, these filters are available with a variety of wavelength ranges spanning the ultraviolet (UV), visible, and near-infrared (NIR) spectra. The 50 x 50mm size enables easy integration into optical systems with 1, 2, or 3mm thickness options. SCHOTT Colored Glass Bandpass Filters come in custom sizes ranging from 5 to 160mm. These custom sizes are available upon request. For more information, visit our [Colored Glass Filter Manufacturing capabilities webpage](#).

Filter Simulation Software

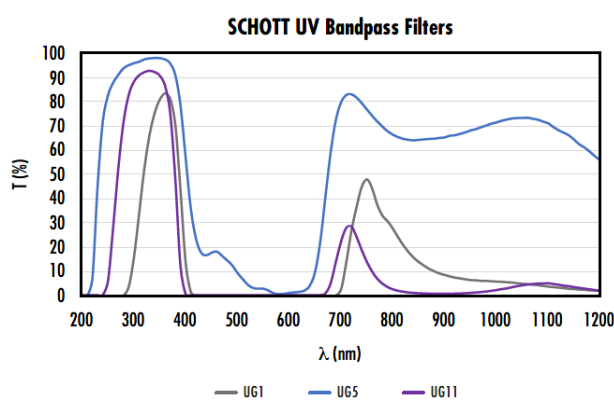
[Click here](#) to download SCHOTT's colored glass filter calculation program which can be used to calculate the internal transmittance and external transmission of each SCHOTT glass type. The program can simulate the performance of individual filters with user specified thickness or of stacked filters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

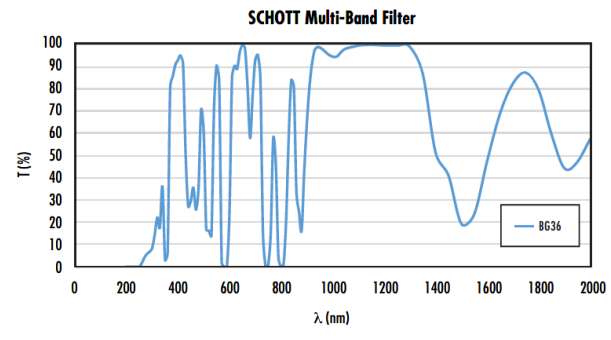
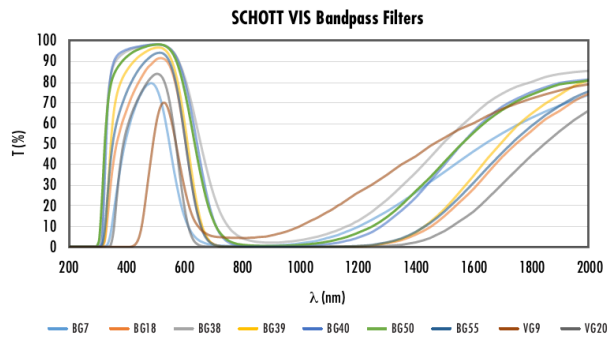
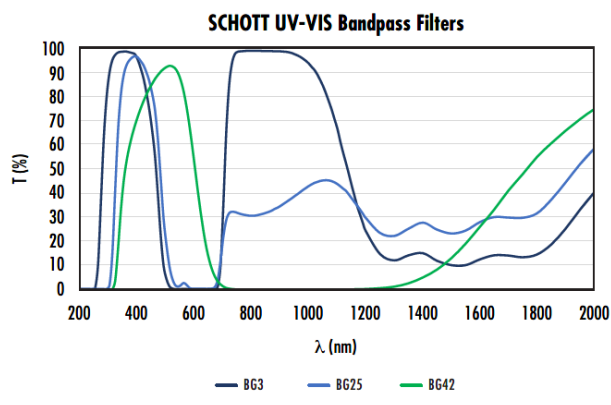
Interactive transmission curves are also available [here](#).

Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a SCHOTT Colored Glass Bandpass Filter in dimensions between 5mm and 50mm, please visit our [Colored Filter Glass Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 2 weeks. A full list of standard manufacturing tolerances and restrictions are listed. For fully customized filters to your requirements, visit our [Customized Optical Filter Glass Capabilities](#) page.

Technical Information





Quote Your Size