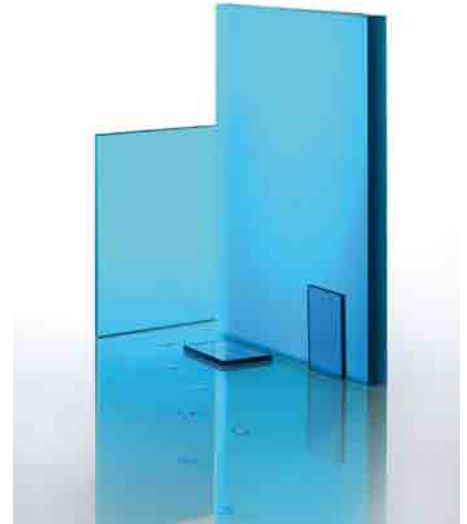


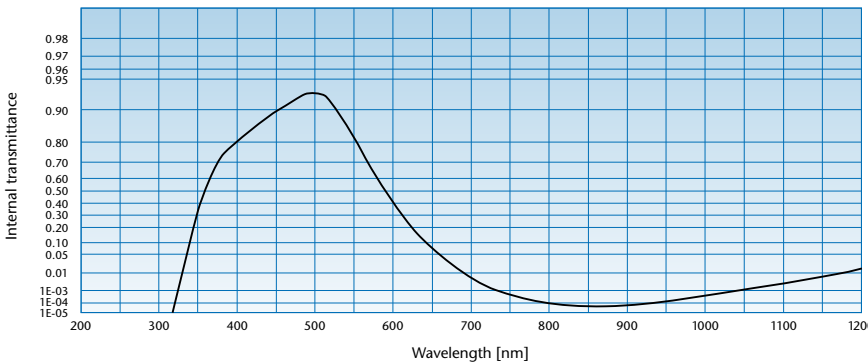
BG60 & BG61 Blue Filter Glass

New filter glass with significant advantages: excellent climatic resistance, good bending strength and broader pass band ideally suited as IR cut filter

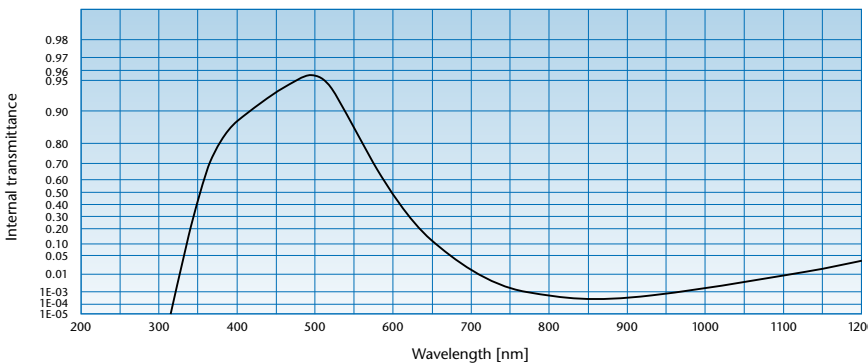
Image sensors have become common place. Integrated into cell phones and laptops, digital compact cameras and single lens reflex cameras as well as line scan camera systems and range finders, their CCD* and CMOS** sensors are often equipped with infrared (IR) cut filters in order to get natural colors. They make digital cameras respond to light as our eyes do. SCHOTT's new IR filter glasses BG60 and BG61 have been designed to perform in difficult environments. Tested at the industry's most demanding specifications of 85° Celsius and 85% relative humidity, their surfaces stay corrosion-free for hundreds of hours. Equipped with an additional coating, they remain completely transparent for more than 1000 hours without any surface corrosion.



■ BG60: Internal transmission at 1.0 mm reference thickness



■ BG61: Internal transmission at 1.0 mm reference thickness



	BG 60	BG 61
Refractive index n	1.54	1.53
T _{50%} @ 0.3 mm thickness	~ 633 nm	~ 644 nm

Advantages:

- High climatic resistance (coated filter withstand at least 1000 h of 85°C/85% RH humidity test)
- Good bending strength
- Better image quality
- Broad pass band for simplified coating

Applications:

- Consumer
- Medical
- Imaging
- Surveillance
- Industrial applications

Forms of Supply:

- Matt plates
- Polished filters
- Additional coating available

* CCD (charges coupled device)

** CMOS (complementary metal oxide semiconductor)

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