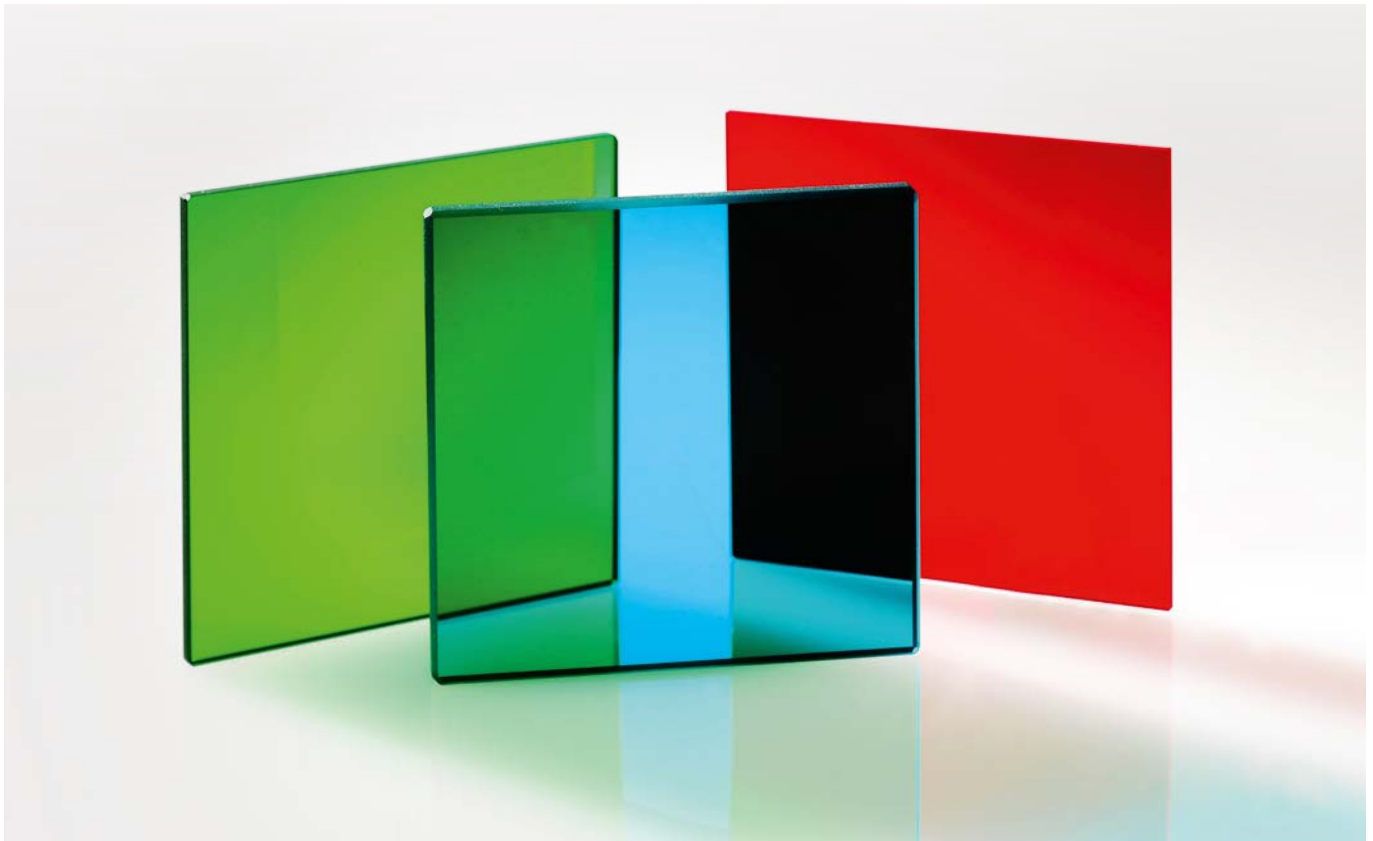


VG20 optical filter glass: A new NIR cutoff filter



Product Information

The new filter glass from SCHOTT Advanced Optics offers customers several significant advantages: leading-edge inner quality and optical properties, excellent climatic resistance, high transmittance in the visible range of wavelengths and extra-high absorption in the near infrared (NIR) wavelength range.

NIR cutoff filters are used for imaging sensors, as well as for night vision compatible equipment. Because of the growing miniaturization in all fields, NIR cutoff filters must now provide the same level of performance at smaller thicknesses.

SCHOTT's new NIR filter glass, VG20, has been developed with high transmittance in the visible range of wavelengths and high absorption in the NIR range. This enables the optical designer to build much smaller cameras, laser goggles and night vision equipment.

VG20 has also been designed to perform in difficult environments. Equipped with an additional coating, these filters remain completely transparent for more than 1000 hours without any surface corrosion and deliver extraordinary image quality.

Advantages

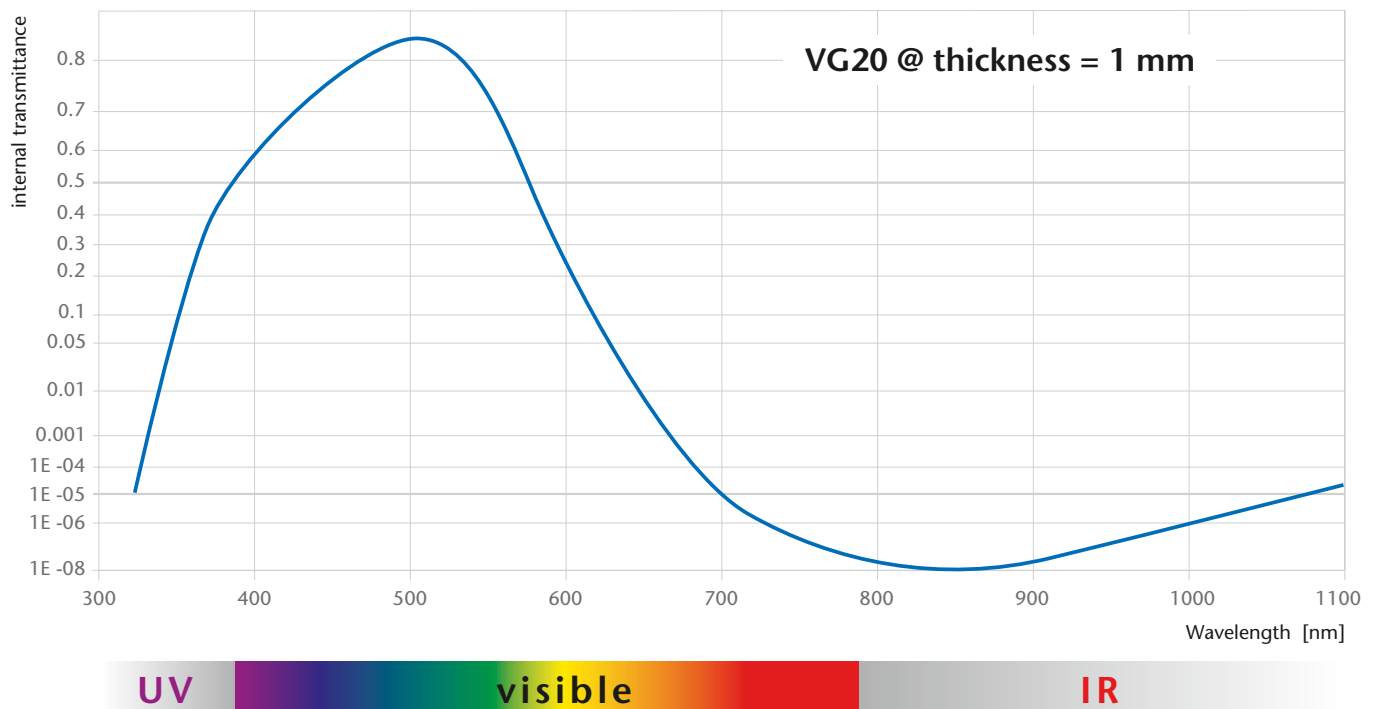
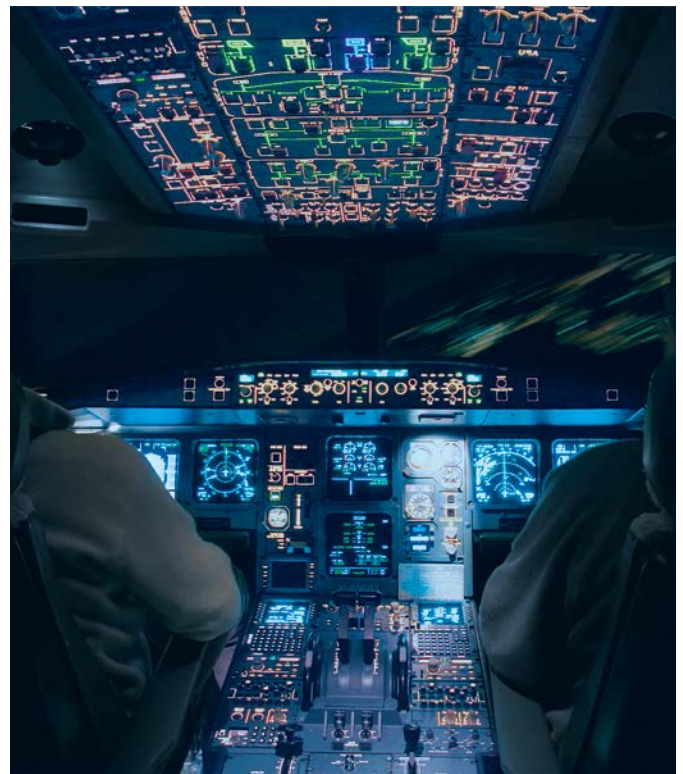
- Extraordinarily high NIR absorption and high transmittance in the visible range
- Repeatable optical performance due to mass production
- Excellent inner quality, e.g. low striae
- Filters with specified coatings will resist heat and humidity for over 1000 hours
- Allows for true color imaging
- Easily coated and cleaned

Applications

- Medical
- Imaging
- Surveillance
- NVIS (night vision)
- Industrial applications

Forms of Supply

- Polished filters
- Additional coating, framing and assembly available



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