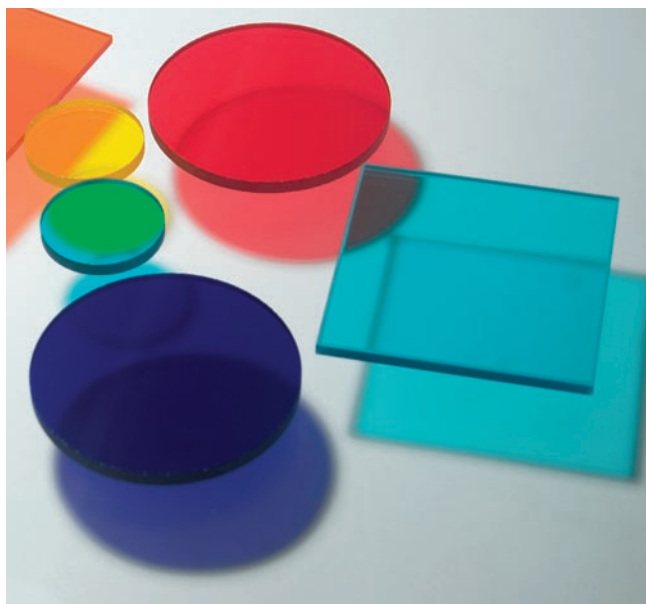


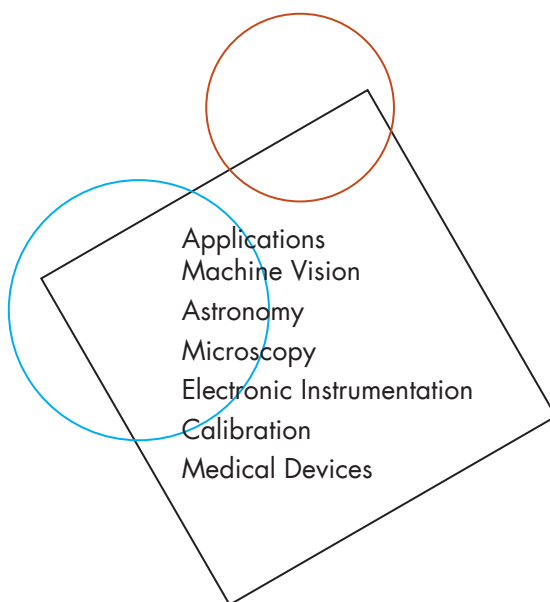
Colored Glass Filters



Colored glass filters are unique in their ability to transmit a very broad band of light. The long wave pass type, often used as order/wavelength sorting filters, transmit the longer wavelengths and absorb the shorter wavelengths. The bandpass type, useful for enhancing the signal-to-noise ratio of illumination systems, transmit a broad band of energy while blocking the shorter and longer wavelengths. As with all optical components, colored glass filters should not be exposed to high temperatures or sharp temperature changes.

- Fabricated from Schott® optical filter glass
- Excellent color consistency as well as sharp contrast
- Both surfaces precision-polished
- Options span ultraviolet to infrared region

General Specifications	
Optical Thickness	3mm ±0.5mm
Mechanical Thickness	Add 0.8mm for ring mount
Size Tolerance	+0.00/-0.25mm
Surface Quality	80/50 per MIL-M-13508
Max. Operating Temperature	+100°C
Flatness	1/4 wave per inch
Parallelism	30 arc seconds or better
Spectral Data	Stated as internal transmittance
Note: Corners are cropped on all 165mm sq. parts unless otherwise requested.	



Bandpass Type

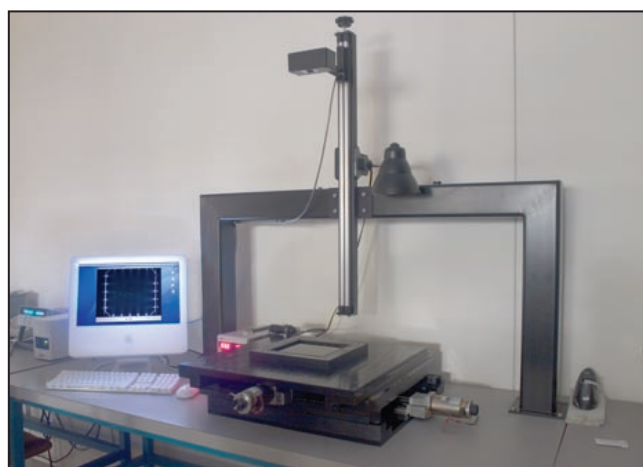
- UG Ultraviolet Transmitting
- BG Blue and Blue-Green

Heat Absorbing Type

- KG Infrared Absorbing

Long Wave Pass Type

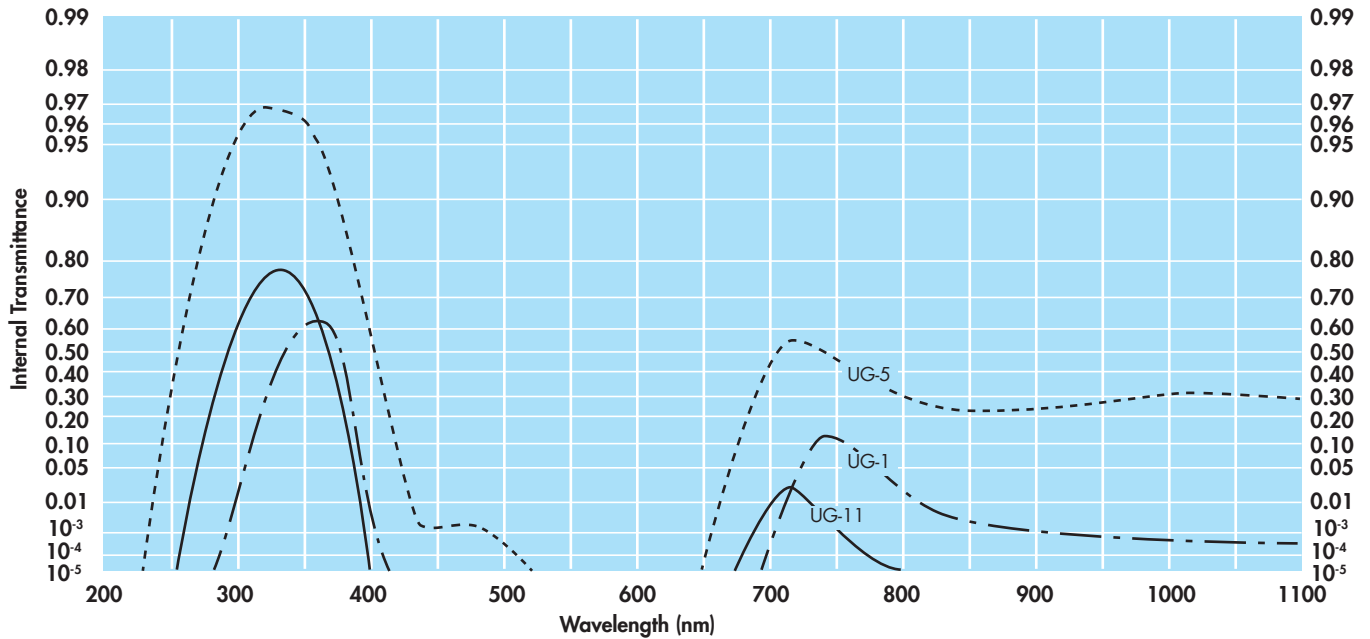
- RG Near Infrared Transmitting
- GG Yellow
- OG Orange
- WG Ultraviolet Transmitting



We check all filter glass for striae, bubbles, and inclusions using our tunable interferometer and custom-designed inclusion tester. These instruments detect minute defects, even in materials that do not transmit visible light.

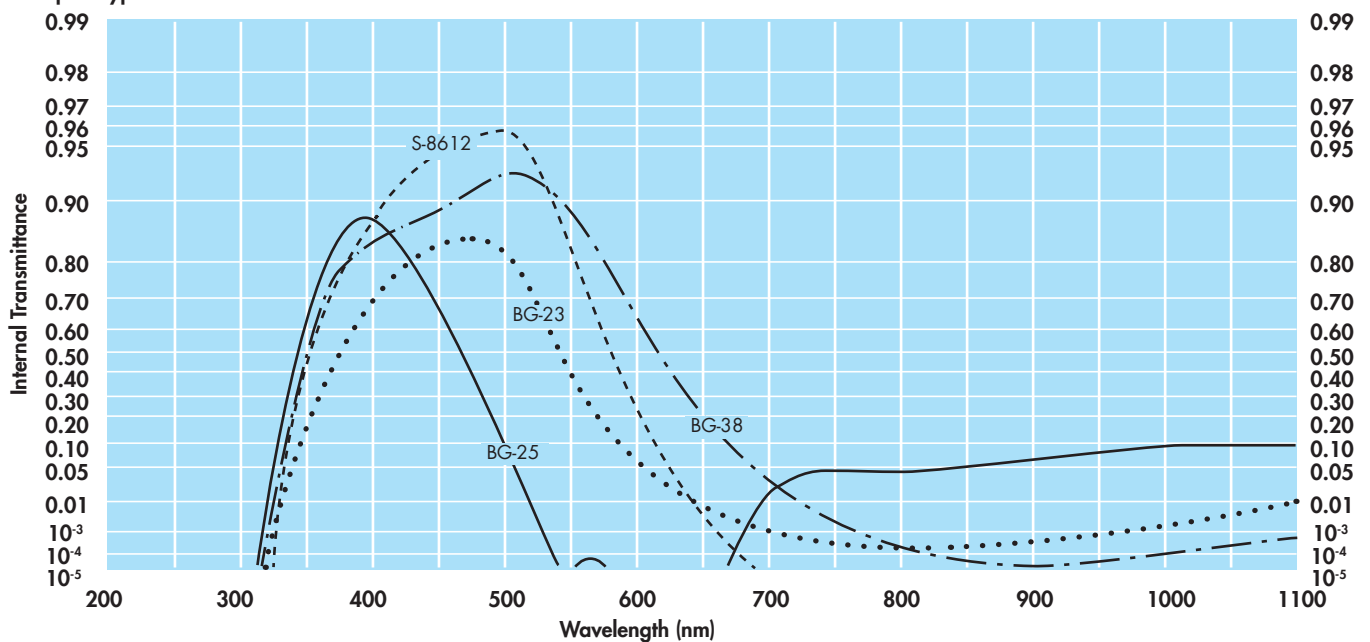
Colored Glass Filters

Bandpass type



Glass Type	Size, Shape & Part Number			
	25mm Ø ○	50mm Ø ○	50mm SQ □	165mm SQ □
UG-1	001FG09-25	001FG09-50	001FG09-50S	001FG09-165S
UG-5	005FG09-25	005FG09-50	005FG09-50S	005FG09-165S
UG-11	011FG09-25	011FG09-50	011FG09-50S	011FG09-165S
BG-23	023FG11-25	023FG11-50	023FG11-50S	023FG11-165S
BG-25	025FG11-25	025FG11-50	025FG11-50S	025FG11-165S
BG-38	038FG11-25	038FG11-50	038FG11-50S <td>038FG11-165S</td>	038FG11-165S
S-8612	S86FG11-25	S86FG11-50	S86FG11-50S	S86FG11-165S

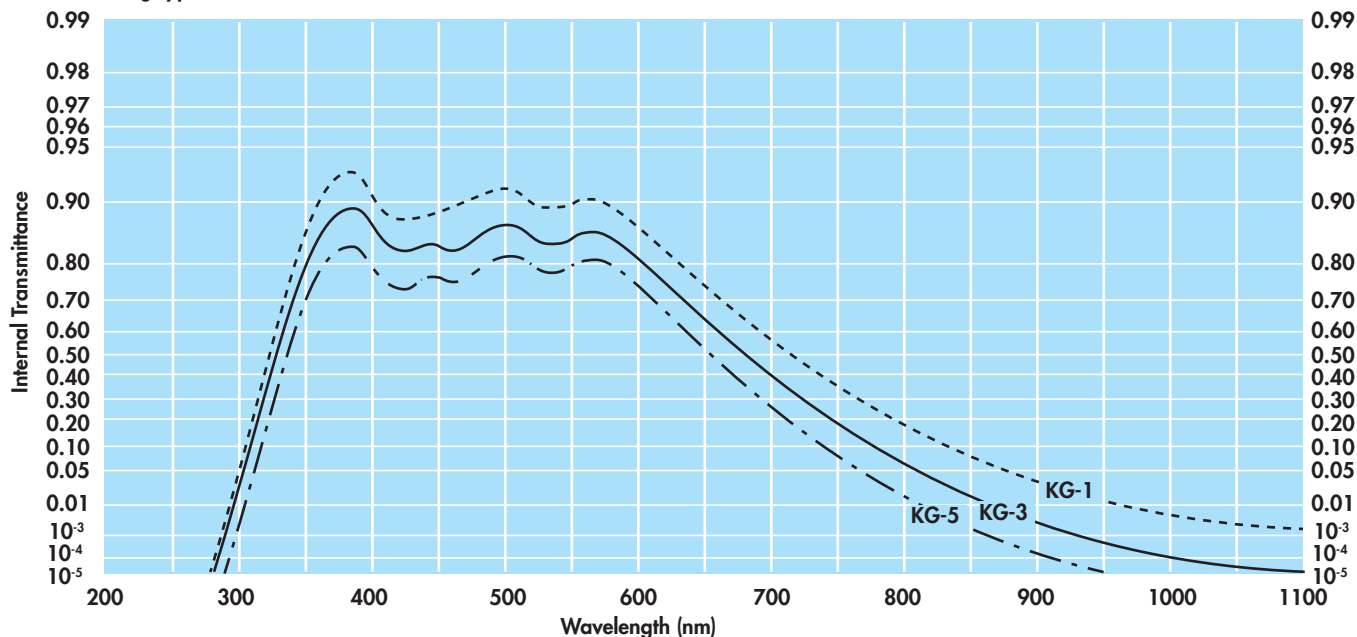
Bandpass type





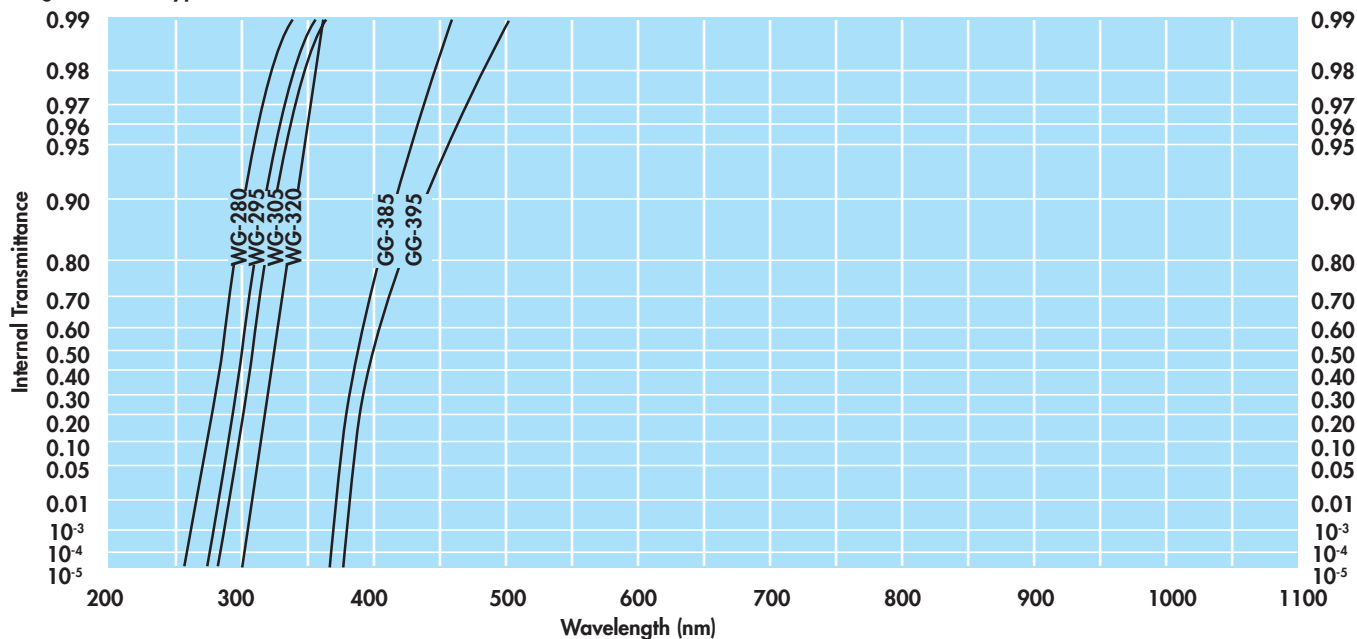
Colored Glass Filters

Heat absorbing Type



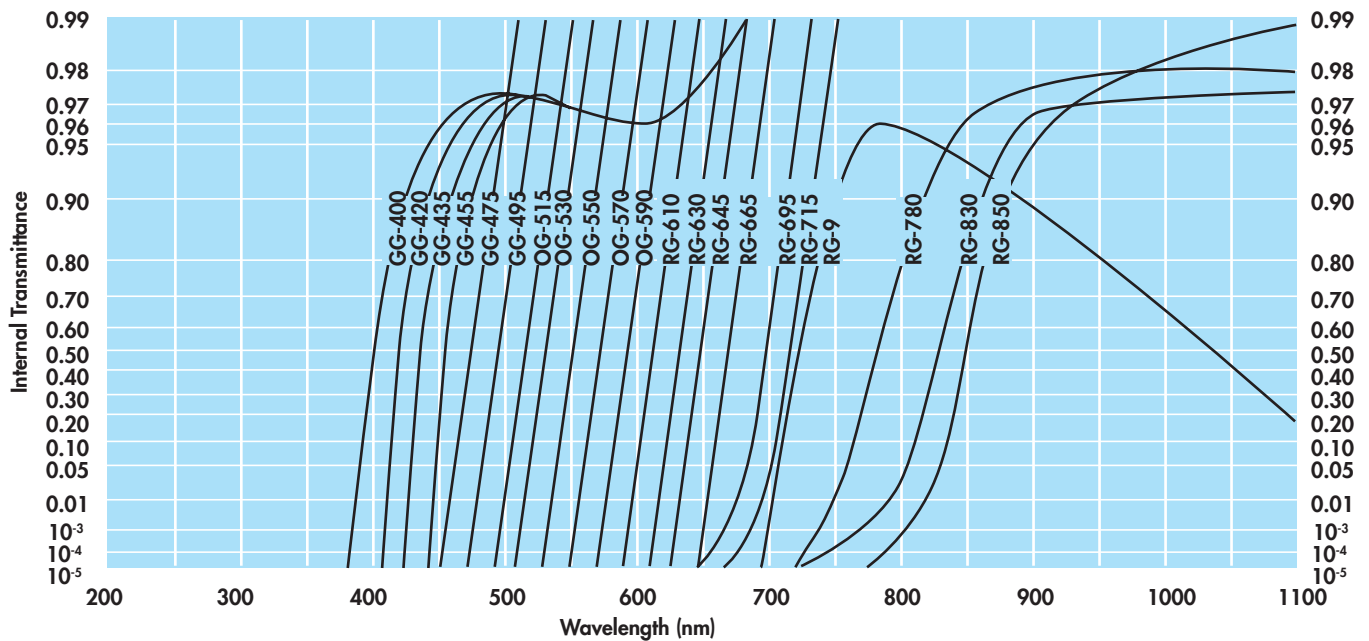
Glass Type	Size, Shape & Part Number			
	25mm Ø ○	50mm Ø ○	50mm SQ □	165mm SQ □
KG-1	001FG13-25	001FG13-50	001FG13-50S	001FG13-165S
KG-3	003FG13-25	003FG13-50	003FG13-50S	003FG13-165S
KG-5	005FG13-25	005FG13-50	005FG13-50S	005FG13-165S
WG-280	280FG01-25	280FG01-50	280FG01-50S	280FG01-165S
WG-295	295FG01-25	295FG01-50	295FG01-50S	295FG01-165S
WG-305	305FG01-25	305FG01-50	305FG01-50S	305FG01-165S
WG-320	320FG01-25	320FG01-50	320FG01-50S	320FG01-165S
GG-385	385FG03-25	385FG03-50	385FG03-50S	385FG03-165S
GG-395	395FG03-25	395FG03-50	395FG03-50S	395FG03-165S

Long Wave Pass Type



Colored Glass Filters

Long Wave Pass Type



Glass Type	Size, Shape & Part Number			
	25mm Ø ○	50mm Ø ○	50mm SQ □	165mm SQ □
GG-400	400FG03-25	400FG03-50	400FG03-50S	400FG03-165S
GG-420	420FG03-25	420FG03-50	420FG03-50S	420FG03-165S
GG-435	435FG03-25	435FG03-50	435FG03-50S	435FG03-165S
GG-455	455FG03-25	455FG03-50	455FG03-50S	455FG03-165S
GG-475	475FG03-25	475FG03-50	475FG03-50S	475FG03-165S
GG-495	495FG03-25	495FG03-50	495FG03-50S	495FG03-165S
OG-515	515FG05-25	515FG05-50	515FG05-50S	515FG05-165S
OG-530	530FG05-25	530FG05-50	530FG05-50S	530FG05-165S
OG-550	550FG05-25	550FG05-50	550FG05-50S	550FG05-165S
OG-570	570FG05-25	570FG05-50	570FG05-50S	570FG05-165S
OG-590	590FG05-25	590FG05-50	590FG05-50S	590FG05-165S
RG-610	610FG07-25	610FG07-50	610FG07-50S	610FG07-165S
RG-630	630FG07-25	630FG07-50	630FG07-50S	630FG07-165S
RG-645	645FG07-25	645FG07-50	645FG07-50S	645FG07-165S
RG-665	665FG07-25	665FG07-50	665FG07-50S	665FG07-165S
RG-695	695FG07-25	695FG07-50	695FG07-50S	695FG07-165S
RG-715	715FG07-25	715FG07-50	715FG07-50S	715FG07-165S
RG-9	009FG07-25	009FG07-50	009FG07-50S	009FG07-165S
RG-780	780FG07-25	780FG07-50	780FG07-50S	780FG07-165S
RG-830	830FG07-25	830FG07-50	830FG07-50S	830FG07-165S
RG-850	850FG07-25	850FG07-50	850FG07-50S	850FG07-165S