



Absorbing Glass Filters



Schott Standard Filters

Colored Glass					ND Filters
BG 3	BG 40	GG 420	OG 570	UG 11	D0.15
BG 4	BG 42	KG 1	OG 590	VG 3	D0.3
BG 7	FG 3	KG 2	RG 6	VG 4	D0.6
BG 12	FG 4	KG 3	RG 9	VG 6	D1.0
BG 13	FG 10	KG 4	RG 610	VG 9	D1.3
BG 14	FG 12	KG 5	RG 630	VG 9	D1.6
BG 18	FG 13	NG 1	RG 645	VG 10	D2.0
BG 20	FG 16	NG 3	RG 665	WG 225	D2.3
BG 23	FG 17	NG 4	RG 695	WG 280	D2.6
BG 24 A	GG 375	NG 5	RG 715	WG 295	D3.0
BG 25	GG 385	NG 9	RG 725	WG 305	D3.3
BG 26	GG 395	NG 10	RG 780	WG 320	D3.6
BG 28	GG 400	NG 11	RG 830	WG 335	D4.0
BG 34	GG 435	NG 12	RG 850	WG 345	D4.3
BG 36	GG 455	OG 515	RG 1000	WG 360	D4.6
BG 38	GG 475	OG 530	UG 1		D5.0
BG 39	GG 495	OG 550	UG 5		

Please check with us on filter availability.

High-pass Filters

OF2-WG305	pass >305 nm	square 25.4 x 25.4 x 3 mm
OF2-GG375	pass >375 nm	square 25.4 x 25.4 x 3 mm
OF2-GG395	pass >395 nm	square 25.4 x 25.4 x 3 mm
OF2-GG475	pass >475 nm	square 50.8 x 50.8 x 3 mm or square 25.4 x 25.4 x 3 mm
OF2-OG515	pass >515 nm	square 25.4 x 25.4 x 3 mm
OF2-OG550	pass >550 nm	square 25.4 x 25.4 x 3 mm

Balancing Filters

OF2-FG3	enhance blue and red	square 25.4 x 25.4 x 3 mm
OF2-BG34R	enhance blue and red	round 12.7 mm OD

Bandpass Filters

OF2-KG3	>325 nm and <700 nm	square 25.4 x 25.4 x 3 mm
OF2-U360	>340 nm and <380 nm	square 25.4 x 25.4 x 3 mm
OF2-RG780	>780 nm and 50% transmission <2.7 μm	square 25.4 x 25.4 x 3 mm

Filter Kit for use with LS-1 Light Source

OF2-LS	BG34, GG395, OG550, Teflon diffusers
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Schott Glass Filters

Schott glass filters absorb light energy in certain regions of the spectrum. These filters fit easily into our light sources, cuvette holders and in-line filter holders. Please check for availability.

High-pass Filters

High-pass Filters are transmissive approximately 50% at the nominal cutoff wavelength, >99% at wavelengths 50 nm higher than the cutoff, and less than 0.1% at 50 nm lower than the cutoff. High-pass filters are used to eliminate second- and third-order effects, test for stray light, and block excitation energy in fluorescence experiments.

Balancing Filters

Balancing Filters absorb energy in some regions while transmitting in others. The BG 34 filter, for example, reduces the light's intensity at 600 nm from a tungsten bulb while transmitting all of the light at the blue and red regions, where detector sensitivity in our spectrometers is lower.

Bandpass Filters

Bandpass Filters pass energy in a certain region and block energy above and below that region.

OF2, OF1 & Inline-OF Filters

We offer OF2 Filters (see top photo) for installing into the optical path of the spectrometer setup. We also offer OF1 Filters (see top photo in the column below) that are installed permanently in the SMA 905 Connector of the spectrometer. The OF1 filters are limited to the filters listed on page 16 and come in 4.75 mm diameter and 2 mm thickness.



In addition, our INLINE-FH Filter Holder (middle left) and FH-SMA Filter Holder (bottom left) also hold the filters listed in these tables, and are cut to 8 mm diameter and from 1 mm to 7 mm thick to fit these fixtures. Filters used in the INLINE-FH and FH-SMA Filter Holders.

