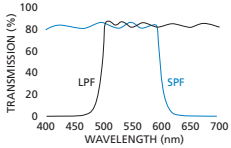
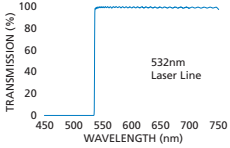
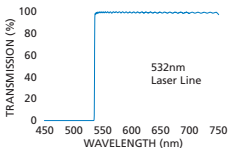
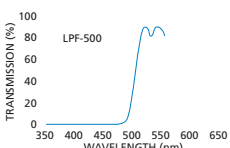
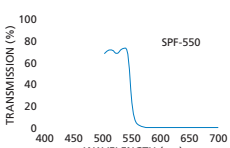
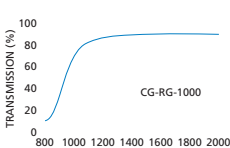
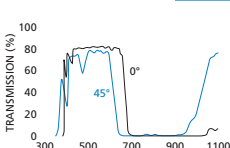


Selection Guide

	Product Type	FWHM	Peak Transmission (%)	Blocking Optical Density	Applications	Page
TRANSMISSION FILTERS						
	Semrock MaxLine® Laser Laser Clean-up LL	1.4-4.0 nm typical	> 90 (typical)	> 6	Fluorescence, Raman, Laser-line clean-up	12.16
	Semrock MaxDiode™ Bandpass Clean-up LD	8.0-10.0 nm minimum	> 90 (typical)	> 6	Fluorescence, Raman, Laser-Diode clean-up, Low ripple	12.18
	Semrock VersaChrome® Tunable Filters TPB	16.0 nm depending on angle	> 90	> 5 _{avg}	Tunability over wide range	12.19
	Interference Filters F	3nm, 10 nm, 25 nm, 40 nm, 70 nm	12-70	3-4	Laser-line clean-up	12.5
	Variable Bandpass VPFS	Sets of LPF and SPF filters to mix and match for user selectable bandpass	80	3	Fluorescence, Raman, Laser-line blocking	12.15
BLOCKING FILTERS						
	Semrock StopLine® Single Notch Filters NF	17 nm at 532.0 nm	< 93 over passband	> 6	Fluorescence, Raman, Laser-line blocking	12.23
	Color Process CP	100 nm	75	2	Fluorescence	12.26
	Color Glass CG	200-400 nm	> 80	up to 5	Attenuation, Isolation of Broadband Source	12.30

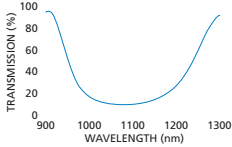
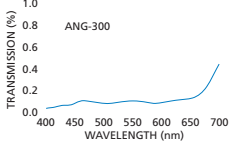
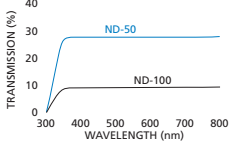
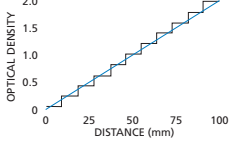
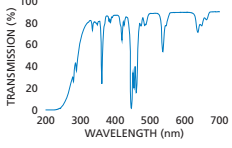
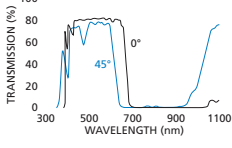
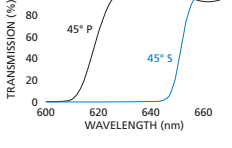
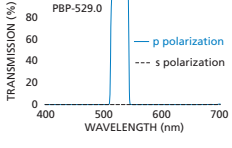
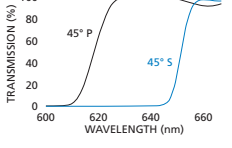
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Selection Guide (continued)

	Product Type	FWHM	Peak Transmission (%)	Blocking Optical Density	Applications	Page
	Semrock RazorEdge® Ultrasteep Long-pass Edge Filters LPRE		> 90 over passband	> 6	Fluorescence, Raman	12.20
	Semrock Edge Basic™ Long Pass Filters LPEB		> 90 over passband	> 6	Raman Extended short-wavelength blocking	12.21
	Long Wavepass Filters LPF, FLWP		60–80	3	Fluorescence, Raman	12.12 12.29
	Short Wavepass Filters SPF, FSWP		50–80	3	Fluorescence, Raman	12.13 12.28
	Color Glass CG		> 80	up to 5	Attenuation, Isolation of Broadband Source	12.30
	Heat Control Filters HR, EHR, HT, UR, FHA, MHG		85	90% Reflectance out-of-band	Reflects IR wavelength to keep filter cool	12.32-36

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Selection Guide (continued)

Product Type	FWHM	Peak Transmission (%)	Blocking Optical Density	Applications	Page
BROADBAND ATTENUATION, HIGH ENERGY ATTENUATION, EQUALIZING FILTERS, CALIBRATION FILTERS					
 <p>High Energy Attenuators UVDA, HPDA</p>		0.01-80.0	0.1-4.0	Attenuation of high energy laser lines, Nonabsorbing	12.48 12.49
 <p>Absorptive Neutral Density Filters ANG, FSA</p>		0.001-89.0	0.05-5.0	Broadband attenuation	12.38
 <p>Inconel Neutral Density Filters ND, NDQ</p>		0.01-79.43	0.1-4.0	Broadband attenuation	12.40 12.42
<i>Inconel® is a registered trademark of EM industries, Inc.</i>					
 <p>Variable Neutral Density Filters CND, CNDQ, CSND, LND, LNDQ, LSND</p>		Range	Range	Broadband attenuation	12.44-47
 <p>Calibration Filter Sets CFS</p>		Range	Range	Broadband attenuation	12.50
 <p>Heat Control Filters EHR, FHA, HR, HT, MHG, UR</p>		85	90% Reflectance out-of-band	Reflects IR wavelength to keep system cool	12.33-36
 <p>High Extinction Polarizers, 45° XEP</p>		> 97	Extinction Ratio 10,000:1	Polarization	12.24
 <p>Semrock Polarization Bandpass Filters, 45° PBP</p>		> 95 over bandpass	1,000,000:1 Contrast Ratio	Clean-up and detection filter	12.22
 <p>Semrock LaserMUX™ Dichroic Beamsplitters, 45° LMUX</p>		$T > 95_{avg}$ over transmission band	$R > 98_{avg}$ over reflection band	Beam Combining or Separating	12.25

Windows and Optical Flats

Prisms and Retroreflectors

Spherical Lenses

Cylindrical Lenses

Multielement Lenses

Mirrors

Beamsplitters

Waveplates

Polarization Components

Ultrafast Components

Filters and Etalons