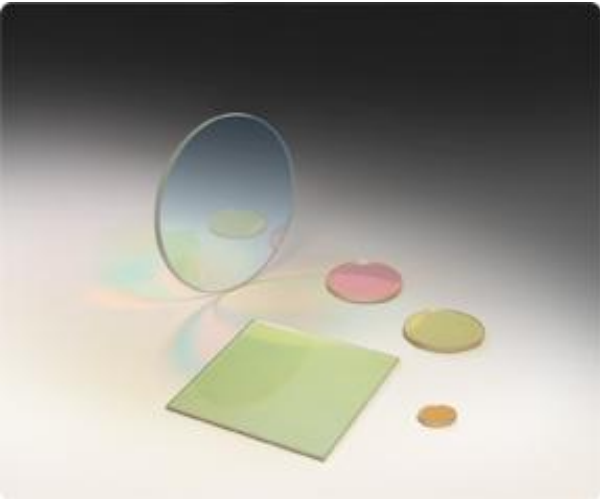


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/ [Steep Edge Longpass Optical Filters for Raman Spectroscopy](#)



Color enhancement and combining laser studies

STEEP-EDGE LONGPASS FILTERS

Our steep-edge long pass filters employ magnetron sputtered hard oxide coatings to yield deep rejection and a sharp transition to very high transmission. The coatings are deposited on precision polished Fused Silica substrates, and do not employ any absorbing filter glasses, making them suitable for high-temperature applications. They are offered in three standard sizes, with custom sizes available on request. For less-demanding applications, please see our [standard edge filters](#).

BENEFITS

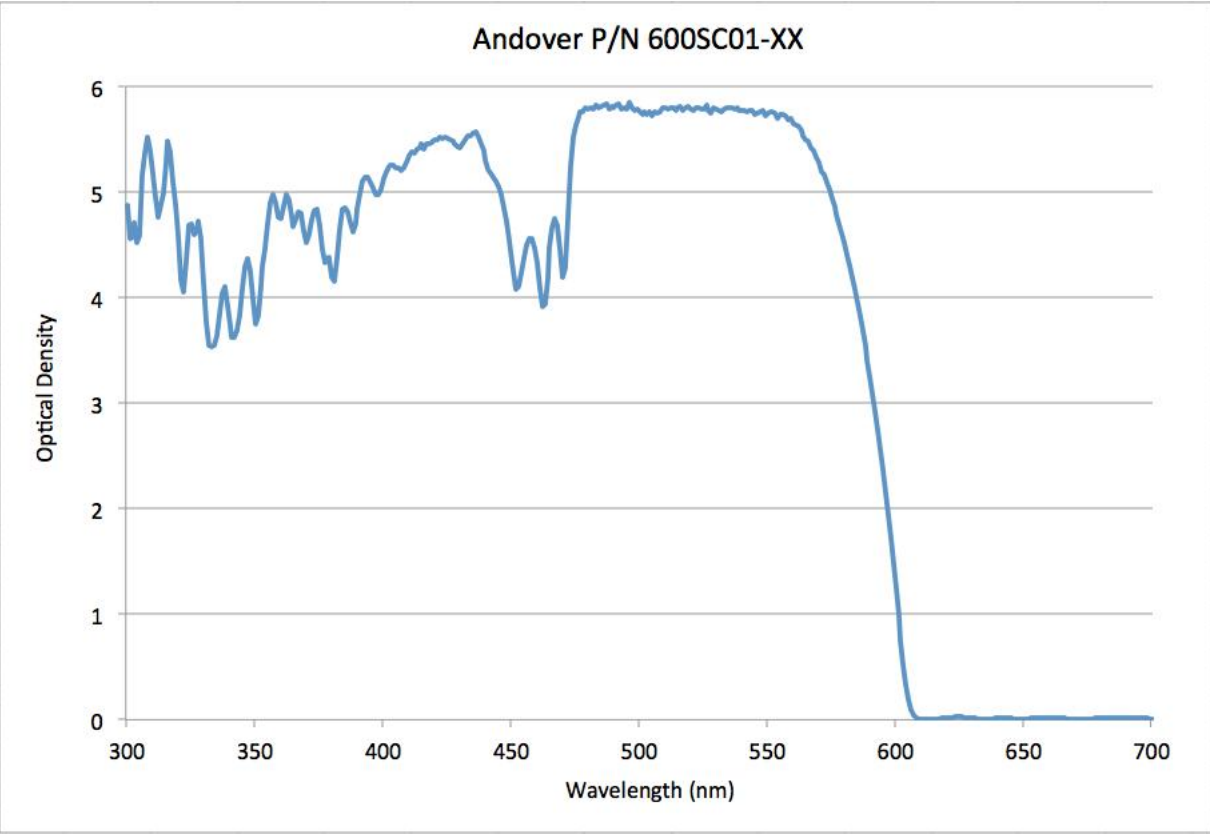
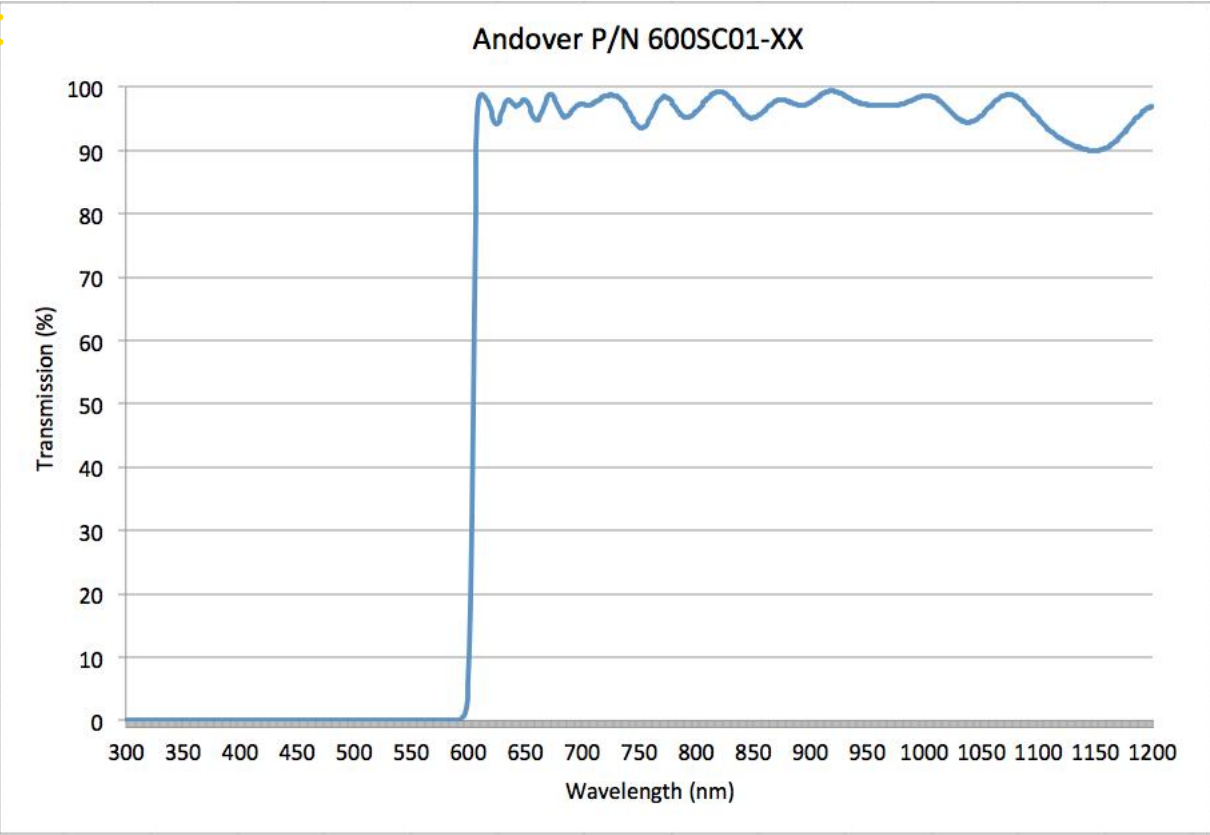
- Provide very steep ( $\leq 1\%$ ) cut-on slopes
- Suitable for high-temperature applications
- Can be cut or machined to smaller sizes
- Useful for redirecting a particular band of light

COMMON APPLICATIONS

- Fluorescence
- Photometry

Show More Information

General Specifications	
Thickness:	1.5 $\pm$ .25mm
Size Tolerance:	+0,0mm/-0,2mm
Min. Clear Aperture:	95% of outside dimension
Substrate Material:	UV Grade Fused Silica
Flatness:	$\leq 1/4$ wave/inch TWF
Surface Quality:	60-40 per MIL-C-48497A
Humidity and Abrasion:	Per MIL-C-675A
Durability:	Per MIL-C-48497A
Operating Temperature:	-50°C to +200°C
Transmission:	$\geq 91\%$ average
Rejection:	$\geq$ OD 4.0
Cut-on Slope:	1% (2% for 325nm filter)
Cut-on Tolerance:	$\pm 1\%$
Effective Refractive Index	1.76
Mechanical:	Unmounted



PART NO.	DESCRIPTION	1 - 5 pcs.	6 - 10 pcs.	> 10 pcs.	Stock Status	Buy
325SC01-12.5	325nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/> Buy



	325SC01-25	325nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	325SC01-50	325nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	325SC01-50S	325nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	350SC01-12.5	350nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	350SC01-25	350nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	350SC01-50	350nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	350SC01-50S	350nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	375SC01-12.5	375nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	375SC01-25	375nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	375SC01-50	375nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	375SC01-50S	375nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	400SC01-12.5	400nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	400SC01-25	400nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	400SC01-50	400nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	400SC01-50S	400nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	450SC01-12.5	450nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	450SC01-25	450nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	450SC01-50	450nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	450SC01-50S	450nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
	500SC01-12.5	500nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>



▼	500SC01-25	500nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	500SC01-50	500nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	500SC01-50S	500nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	550SC01-12.5	550nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	550SC01-25	550nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	550SC01-50	550nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	550SC01-50S	550nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	600SC01-12.5	600nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	600SC01-25	600nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	600SC01-50	600nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	600SC01-50S	600nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	650SC01-12.5	650nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	650SC01-25	650nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	650SC01-50	650nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	650SC01-50S	650nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	700SC01-12.5	700nm Steep-Edge Long Pass Filter, 12.5mm dia.	\$95.00	\$80.00	\$67.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	700SC01-25	700nm Steep-Edge Long Pass Filter, 25mm dia.	\$158.00	\$133.00	\$112.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	700SC01-50	700nm Steep-Edge Long Pass Filter, 50mm dia.	\$300.00	\$252.00	\$213.00	In Stock	<input type="text"/>	<a href="#">Buy</a>
▼	700SC01-50S	700nm Steep-Edge Long Pass Filter, 50.0 x 50.0mm sq.	\$468.00	\$393.00	\$332.00	In Stock	<input type="text"/>	<a href="#">Buy</a>

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