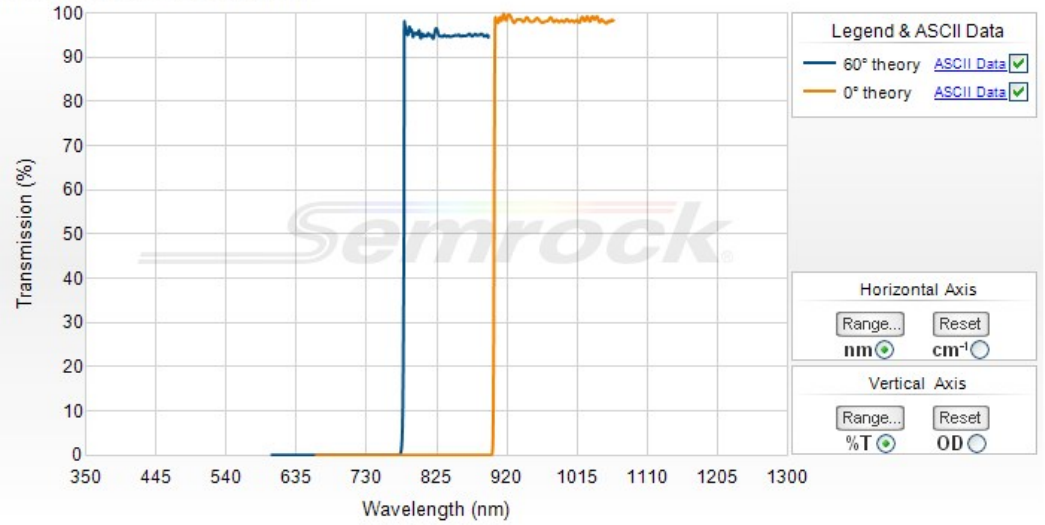
887 nm VersaChrome Edge™ tunable longpass filter
Part Number: TLP01-887-25x36



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(within US and Canada)

Your filter spectrum may differ slightly from the typical spectrum above, but is certified to meet the optical specifications noted below.

887 nm VersaChrome Edge™ tunable longpass filter

VersaChrome filters do what no thin-film filter has done before – offer tunability over a very wide range of wavelengths by adjusting the angle of incidence with essentially no change in spectral performance. They combine the spectral characteristics and two-dimensional imaging performance of a thin-film filter with the wavelength-tuning flexibility of a diffraction grating.

VersaChrome Edge tunable filters unlock virtually unlimited spectral flexibility for fluorescence microscopy and hyperspectral imaging, as well as for spectroscopy applications. By utilizing a combination of VersaChrome Edge tunable long-wave pass and short-wave pass filters, a bandpass filter as narrow as sub 5nm FWHM or as wide as 12% of the center wavelength throughout the visible and near-infrared wavelength ranges can be created. Semrock's patented tunable thin-film filters can't be found anywhere else in the market.

Visit our VersaChrome Edge™ tunable filters page for additional information.

Part Number	Size	Price[1]	Stock Status
TLP01-887-25x36	25.2 mm x 35.6 mm x 2.0 mm (unmounted)	$845	In Stock

Don't see a size you need? Contact us for custom sizing – available in less than a week (sizing fee applies).

1) US domestic pricing only. If you are ordering from outside the US, please contact your nearest regional distributor for the correct list price.

Optical Specifications

Specification	Value
Transmission Value 1	T_{avg} > 93% over 114 nm
Edge Wavelength (0 deg)	887 nm (minimum)
Blocking Band 1	OD_{avg} > 6 687 – (0.98*Edge Wavelength 0deg) nm
Cuton Transition Width	2.5% (from blocking to transmission)
Transmission Band 1 (60 deg)	T_{avg} > 90% over 101 nm
Edge Wavelength (60 deg)	790 nm (maximum)
Blocking Band 1 (60 deg)	OD_{avg} > 6 687 – (0.975*Edge Wavelength 60deg) nm
Cuton Transition Width (60 deg)	3% (from blocking to transmission)

General Filter Specifications

Specification	Value
Angle of Incidence	0 – 60 degrees
Cone Half-angle	0 degrees
Optical Damage Rating	Not tested
Effective Index	1.74

Physical Filter Specifications (applies to standard sized parts; contact us regarding other sizes)

Specification	Value
Transverse Dimensions (L x W)	25.2 mm x 35.6 mm
Transverse Tolerance	± 0.1 mm
Filter Thickness (unmounted)	2.0 mm

Filter Thickness Tolerance (unmounted)	± 0.1 mm
Clear Aperture	≥ 80% (elliptical)
Scratch-Dig	60-40
Substrate Thickness (unmounted)	2.0 mm
Substrate Thickness Tolerance (unmounted)	± 0.1 mm
Orientation	Reflective surface marked with part number - Orient in direction of incoming light