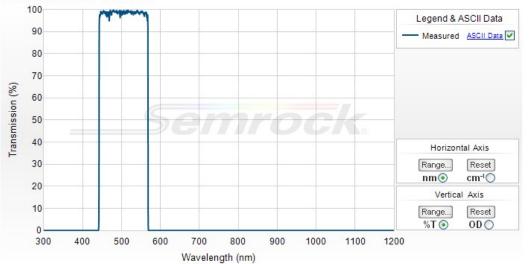
505/119 nm BrightLine® Full Spectrum Blocking single-band bandpass filter

Part Number: FF01-505/119-25





Semrock, Inc.

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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.



505/119 nm BrightLine® Full Spectrum Blocking single-band bandpass filter

BrightLine® Full Spectrum Blocking single-band bandpass filter has been optimized to provide extended blocking down to UV wavelenghts (250nm) and up to the near infrared (NIR) and paired with a combination of VersaChrome Edge™ tunable long-wave-pass (TLP) and tunable short-wave-pass (TSP) filters to custom bandpass filters as narrow as sub 5 nm FWHM or as wide as 12% of the center wavelength throughout the visible and near-infrared wavelength range.

FF01-505/119 is compatible with TLP01-501, TSP01-501, TLP01-561 and TSP01-561 VersaChrome Edge™ tunable filters.

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

Part Number	Size	Price1	Stock Status
FF01-505/119-25	25 mm x 3.5 mm	\$355	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 Band 1	Tavg > 93% 445 – 564 nm	
Center Wavelength 1	505 nm	
Guaranteed Minimum Bandwidth 1	119 nm	
FWHM Bandwidth 1 (nominal)	124 nm	
Blocking Band 1	ODavg > 6 250 - 436 nm	
Blocking Band 2	ODavg > 6 575 - 1200 nm	
Blocking Band 3		

General Filter Specifications

Specification	Value
Angle of Incidence	0 ± 5 degrees
Cone Half-angle	7 degrees
Optical Damage Rating	Testing has proven to show no signs of degradation when exposed to at least 6.0 W of power from an unfiltered xenon arc lamp over a 25 mm diameter (corresponding to 1.2 W/cm²) for over 500 hrs.
Effective Index	2

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

Specification	Value	
Transverse Dimensions (Diameter)	25 mm	
Transverse Tolerance (mounted)	+ 0.0 / - 0.1 mm	
Filter Thickness (Mounted)	3.5 mm	
Filter Thickness Tolerance (Mounted)	± 0.1 mm	
Clear Aperture	≥ 22 mm	
Scratch-Dig	60-40	

Substrate Thickness (unmounted)

Substrate Thickness Tolerance (unmounted)

2.0 mm

± 0.1 mm

Orientation

Arrow on ring indicates preferred direction of propagation of light