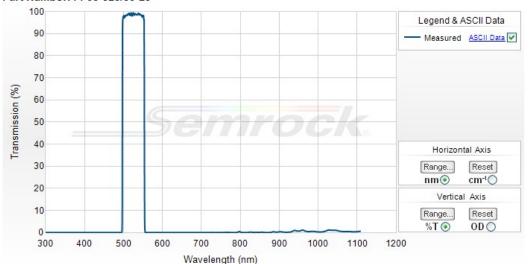
525/50 nm BrightLine® single-band bandpass filter

Part Number: FF03-525/50-25





Semrock, Inc

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Toll Free Phone: 866.736.7625 (866-SEMROCK)
(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.



525/50 nm BrightLine® single-band bandpass filter

Individual fluorescence bandpass filters that have been optimized for use in a variety of fluorescence instruments. All thin-film, hard-coated construction for unsurpassed performance and reliability.

Part Number	Size	Price1	Stock Status
FF03-525/50-25	25 mm x 3.5 mm	\$305	In Stock
FF03-525/50-32	32 mm x 3.5 mm	\$500	In Stock
FF03-525/50-23.3-D	23.3 mm x 2.0 mm (unmounted)	\$305	2nd Day Ship

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% 500 – 550 nm	
Center Wavelength 1	525 nm	
GMBW 1	50 nm	
FWHM 1 (nominal)	55.9 nm	
Blocking Band 1	ODavg > 5 200 - 400 nm	
Blocking Band 2	ODavg > 5 400 - 446 nm	
Blocking Band 3	ODavg > 10 446 - 486 nm (Design specification - measurements are noise-floor limited)	
Blocking Band 4	ODabs > 3.5 at 493 nm	
Blocking Band 5	ODavg > 5 560.5 - 800 nm	
Blocking Band 6	ODavg > 2.5 800 - 925 nm	
Blocking Band 7	ODavg > 2 925 - 1100 nm	

General Filter Specifications

Specification	Value		
Effective Index	1.67		
Angle of Incidence	0 ± 5 degrees		
Cone Half-angle	7 degrees		
Optical Damage Rating	tical 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.		

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

Specification	Value
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Transverse Dimensions (Diameter)	25 mm
Transverse Tolerance	+ 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)	2.0 mm
Substrate Thickness Tolerance (Unmounted)	± 0.1 mm
Orientation	Arrow on ring indicates preferred direction of propagation of light