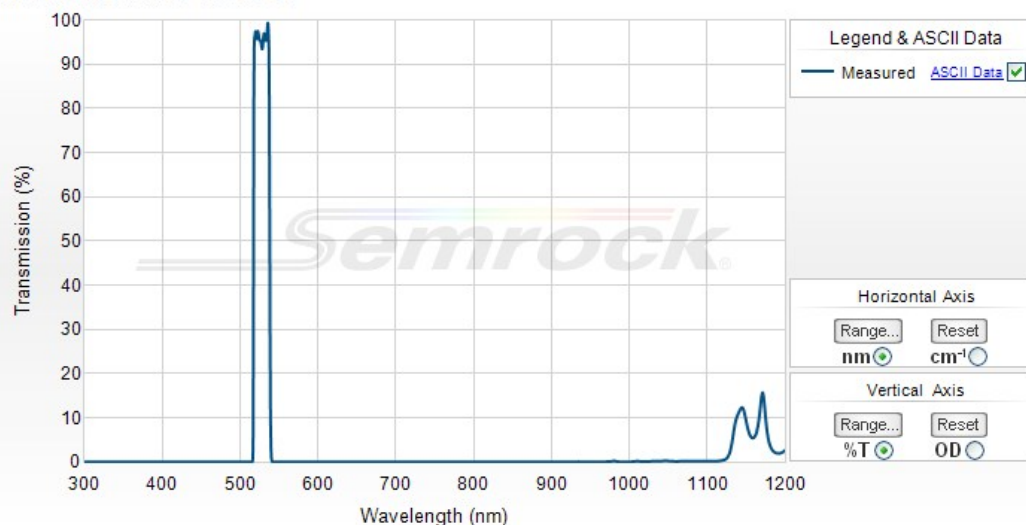


527/20 nm BrightLine® single-band bandpass filter**Part Number: FF01-527/20-25****Semrock, Inc**3625 Buffalo Road, Suite 6
Rochester, New York 14624Main Phone: +1 585.594.7050 (worldwide)
Toll Free Phone: 866.736.7625 (866-SEMROCK)
(within US and Canada)

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

**527/20 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	Price ¹	Stock Status
FF01-527/20-25	25 mm x 3.5 mm	\$355	2nd Day Ship
FF01-527/20-32	32 mm x 3.5 mm	\$582	2nd Day Ship
FF01-527/20-23.3-D	23.3 mm x 2.0 mm (unmounted)	\$355	2nd Day Ship

Don't see a size you need? Contact us for custom sizing – delivery confirmed ARO (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	T _{avg} > 93% 517 – 537 nm
Center Wavelength 1	527 nm
Guaranteed Minimum Bandwidth 1	20 nm
FWHM Bandwidth 1 (nominal)	25.3 nm
Blocking Band 1	OD _{avg} > 4 200 – 484 nm
Blocking Band 2	OD _{avg} > 10 484 – 504 nm (Design specification - measurements are noise-floor limited)
Blocking Band 3	OD > 3.5 510.5 nm
Blocking Band 4	OD _{avg} > 5 548 – 925 nm
Blocking Band 5	OD _{avg} > 2 925 – 1100 nm

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/cm ²) for over 500 hrs.
Filter Effective Index	1.86 Understanding 'Effective Index of Refraction' <i>n_{eff}</i>

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)	2.0 mm
Substrate Thickness Tolerance (unmounted)	± 0.1 mm
Orientation	Arrow on ring indicates preferred direction of propagation of light