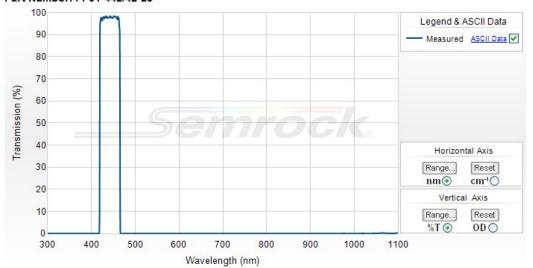
442/42 nm BrightLine® single-band bandpass filter

Part Number: FF01-442/42-25





Semrock, Inc.

3625 Buffalo Road, Suite 6 Rochester, New York 14624

Main 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.



442/42 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
FF01-442/42-25	New Product	25 mm x 5.0 mm	\$355	In Stock
FF01-442/42-25-STR	New Product	25 mm threaded ring for Sutter Lambda filter wheel	\$375	Contact Us
FF01-442/42-32	New Product	32 mm x 5.0 mm	\$582	Contact Us
FF01-442/42-21.8-D	New Product	21.8 mm x 2.0 mm (unmounted)	\$355	Contact Us

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

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General Filter Specifications

Specification	Value		
Angle of Incidence	0 ± 5 degrees		
Cone Half-angle	7 degrees		
Ostical Description	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 1.98

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)	5.0 mm
Filter Thickness Tolerance (Mounted)	± 0.1 mm
Clear Aperture	≥ 21 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