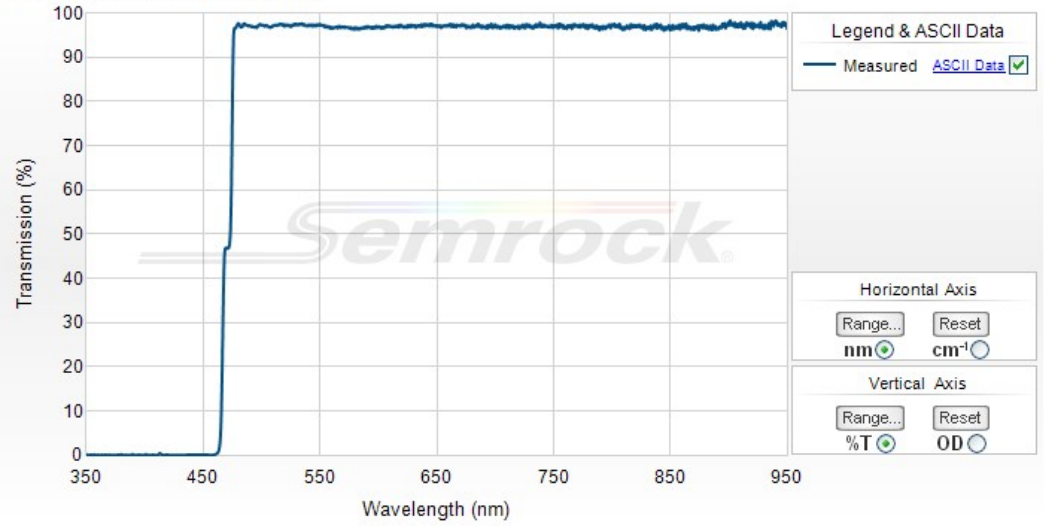
470 nm edge BrightLine® single-edge dichroic beamsplitter
Part Number: FF470-Di01-25x36



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.

470 nm edge BrightLine® single-edge dichroic beamsplitter

Semrock offers a wide range of polarization-insensitive dichroic beamsplitters that exhibit steep edges with very high and flat reflection and transmission bands. Filters are available in versions optimized for wideband light sources, laser sources, multiphoton systems, Raman spectroscopy, image splitting, and laser beam combining and separating.

Part Number		Size	Price[1]	Stock Status
FF470-Di01-25x36	New Product	25.2 mm x 35.6 mm x 1.1 mm (unmounted)	$255	In Stock
FF470-Di01-22x29	New Product	22.0 mm x 29.0 mm x 1.1 mm (unmounted)	$255	2nd Day Ship
FF470-Di01-32x44-FX	New Product	32 x 44 x 1.1 mm (corners cut for OFX cube) (unmounted)	$400	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
Reflection Band 1	R_{avg} > 98% 350 - 462.5 nm
Reflection Band 2	R_{avg} > 98% 421 - 462.5 nm
Edge Wavelength 1	470nm
Transmission Band 1	T_{avg} > 93% 477 – 600 nm
Transmission Band 2	T_{avg} > 93% 477 - 950 nm

General Filter Specifications

Specification	Value
Angle of Incidence	45 ± 1.5 degrees
Cone Half-angle	2 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.
Flatness	Standard
Steepness	Standard
Effective Index	1.97

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)	1.05 mm

Filter Thickness (unmounted)	1.05 mm
Filter Thickness Tolerance (unmounted)	± 0.05 mm
Clear Aperture	= 80%
Scratch-Dig	60-40
Substrate Thickness (unmounted)	1.05 mm
Substrate Thickness Tolerance (unmounted)	± 0.05 mm
Orientation	Reflective surface marked with part number - Orient in direction of incoming light