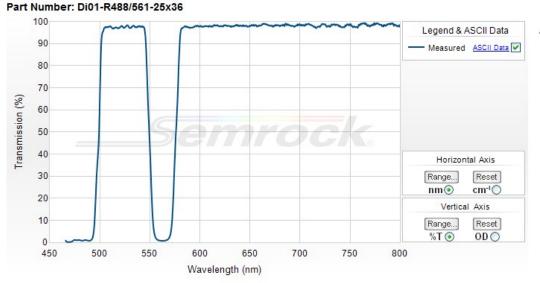
488/561 nm lasers BrightLine® dual-edge laser-flat dichroic beamsplitter





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



488/561 nm lasers BrightLine® dual-edge laser-flat dichroic beamsplitter

Optimized beamsplitters for the most popular lasers used in fluorescence imaging, including newer all-solid-state lasers. All beamsplitters in this category have exceptional reflectance at the laser wavelengths, improved ("laser-grade") flatness, and anti-reflection (AR) coatings to minimize imaging artifacts resulting from the coherent laser light.

Part Number	Size	Price1	Stock Status
Di01-R488/561-25x36	25.2 mm x 35.6 mm x 1.1 mm (unmounted)	\$455	In Stock
Di01-R488/561-22x29	22.0 mm x 29.0 mm x 1.1 mm (unmounted)	\$455	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

Option openinations		
Specification	Value	
Reflection Band 1	Rabs > 94% 471 – 491 nm	
Reflection Band 1 (p-pol)	Rabs > 90% 471 – 491 nm	
Reflection Band 1 (s-pol)	Rabs > 98% 471 – 491 nm	
Edge Wavelength 1	500 nm	
Transmission Band 1	Tavg > 93% 503.3 – 543 nm	
Reflection Band 2	Rabs > 94% 559 – 568.2 nm	
Reflection Band 2 (p-pol)	Rabs > 90% 559 – 568.2 nm	
Reflection Band 2 (s-pol)	Rabs > 98% 559 – 568.2 nm	
Edge Wavelength 2	575.5 nm	
Transmission Band 2	Tavg > 93% 582.4 - 800 nm	
Laser Wavelengths 1	473 +/- 2 nm, 488 +3/-2 nm	
Laser Wavelengths 2	559 +5/-0 nm, 561.4 nm, 568.2 nm	

General Filter Specifications

Contract their openinoacions		
Specification	Value	
Angle of Incidence	45 degrees with a shift of 0.35%/degree (40 – 50 degrees)	
Cone Half-angle	0.5 degrees	
Optical Damage Rating	2 J/cm ² at 532 nm (for a 532nm filter)	
Flatness	Laser Flat	
Steepness	Steep	
Effective Index	1.68	

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 Tolerance (unmounted)	± 0.05 mm	
Clear Aperture	≥ 80% (elliptical)	
Scratch-Dig	60-40	
Substrate Type	Fused Silica	
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	