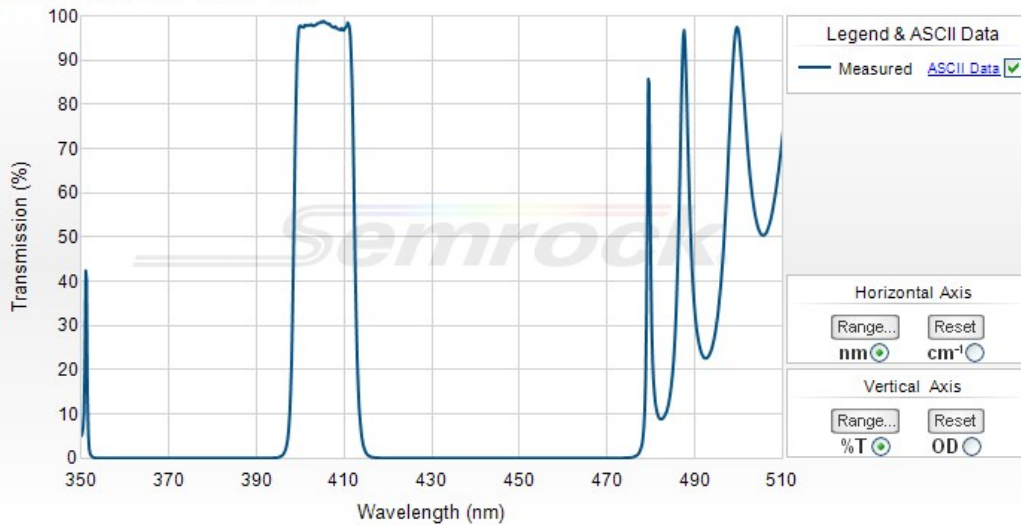


405/10 nm MaxDiode™ laser clean-up

Part Number: LD01-405/10-12.5



Semrock, Inc

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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.



405/10 nm MaxDiode™ laser clean-up

Keep the desirable laser light while eliminating the noise. MaxDiode laser clean-up filters are ideal for both volume laser-based instrumentation as well as laboratory use of diode lasers for fluorescence excitation and other spectroscopic applications.

Part Number	Size	Price ¹	Stock Status
LD01-405/10-12.5	12.5 mm x 3.5 mm	\$265	In Stock
LD01-405/10-25	25 mm x 3.5 mm	\$530	In Stock

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	T _{avg} > 90% 400 – 410 nm
Center Wavelength 1	405 nm
Guaranteed Minimum Bandwidth 1	10 nm
FWHM Bandwidth 1 (nominal)	14.5 nm
Blocking Band 1	OD _{avg} > 3 358 – 389 nm
Blocking Band 2	OD _{avg} > 5 361 – 384 nm
Blocking Band 3	OD _{avg} > 5 428 – 457 nm
Blocking Band 4	OD _{avg} > 3 420 – 466 nm

General Filter Specifications

Specification	Value
Laser Wavelength 1	405 nm
Angle of Incidence	0 ± 5 degrees
Cone Half-angle	0.5 degrees
Optical Damage Rating	Not tested
Effective Index	1.68

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

Specification	Value
Transverse Dimensions (Diameter)	12.5 mm
Transverse Dimensions 2 (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	≥ 10 mm
Clear Aperture 2	≥ 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