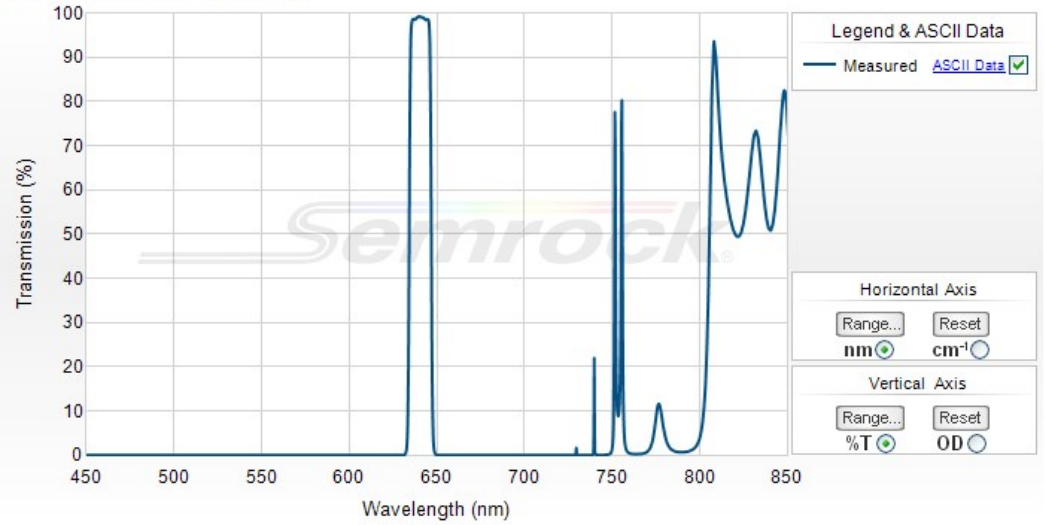
640/8 nm MaxDiode™ laser clean-up
Part Number: LD01-640/8-12.5



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(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.

640/8 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
LD01-640/8-12.5	12.5 mm x 3.5 mm	$265	In Stock
LD01-640/8-25	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% 636.3 – 644.3 nm
Center Wavelength 1	640 nm
Guaranteed Minimum Bandwidth 1	8 nm
FWHM Bandwidth 1 (nominal)	12.9 nm
Blocking Band 1	OD_{avg} > 3 400 – 625 nm
Blocking Band 2	OD_{avg} > 5 580 – 622 nm
Blocking Band 3	OD_{avg} > 5 658 – 717 nm
Blocking Band 4	OD_{avg} > 3 655 – 720 nm

General Filter Specifications

Specification	Value
Laser Wavelength 1	640 nm
Angle of Incidence	0 ± 5 degrees
Cone Half-angle	0.5 degrees
Optical Damage Rating	Not tested
Effective Index	2.15

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