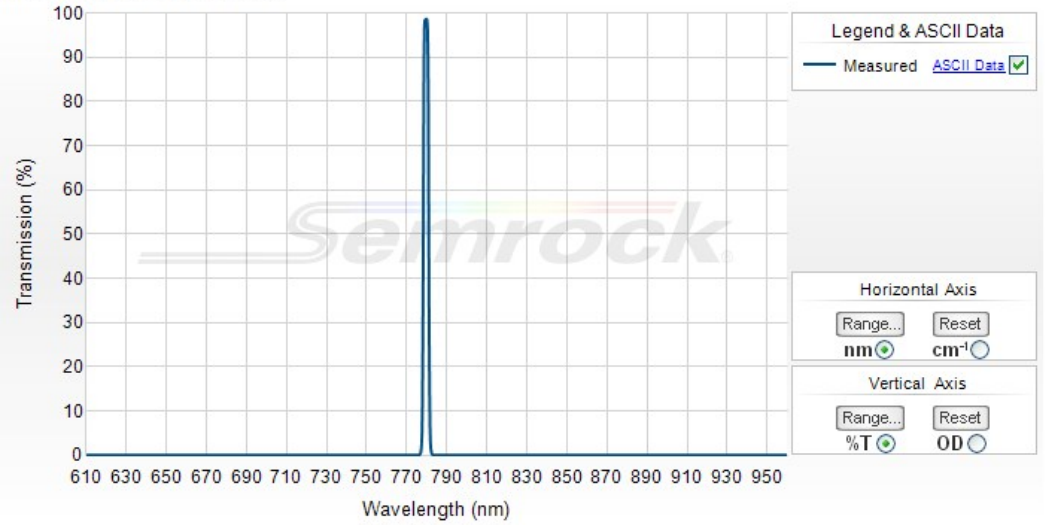
780 nm MaxLine® laser clean-up filter
Part Number: LL01-780-12.5



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.

780 nm MaxLine® laser clean-up filter

MaxLine laser-line filters transmit greater than 90% of the light at a precisely defined laser line, while offering incredibly steep edges to eliminate optical noise from non-lasing (plasma) lines and spontaneous emission.

Part Number	Size	Price[1]	Stock Status
LL01-780-12.5	12.5 mm x 3.5 mm	$325	In Stock
LL01-780-25	25 mm x 3.5 mm	$650	In Stock

Don't see a size you need? Contact us for custom sizing – delivery confirmed ARO (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_{abs} > 90% 780 nm
Center Wavelength 1	780 nm
Guaranteed Minimum Bandwidth 1	Transmission guaranteed for laser wavelength only
FWHM Bandwidth 1 (nominal)	3.0 nm (typical); 5.5 nm (maximum)
Blocking Band 1	OD_{abs} > 5 609 – 772.2 nm
Blocking Band 2	OD_{abs} > 6 717.6 – 768.3 nm
Blocking Band 3	OD_{abs} > 6 791.7 – 858 nm
Blocking Band 4	OD_{abs} > 5 787.8 – 1201.8 nm

General Filter Specifications

Specification	Value
Laser Wavelength 1	780 nm
Angle of Incidence	0 ± 2 degrees
Cone Half-angle	0.5 degrees
Optical Damage Rating	0.1 J/cm² @ 532 nm (10 ns pulse width)
Filter Effective Index	2.09 Understanding 'Effective Index of Refraction' n_{eff}

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