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# 25mm Dia., 514.5nm



Laser Line Longpass Filters

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1

€663<sup>,95</sup>

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### Volume Pricing

Qty 1+ €663,95 each

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Prices shown are exclusive of VAT/local taxes

### Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

Type: Longpass Filter

Angle Tuning Range, for 0 - 8° Shift: -0.3% of Laser Wavelength

## Physical & Mechanical Properties

Diameter (mm): 25.00 +0.0/-0.1

Clear Aperture CA (mm): 22

Clear Aperture (%): 88

## Optical Properties

Angle of Incidence (°): 0 ±2

Bandwidth (nm): >600

OD 6 Blocking Wavelength Range (nm): 416 - 514.5

Optical Density OD (Average): ≥6.0

Design Wavelength DWL (nm): 514.5

Substrate: [Fused Silica](#) (Corning 7980)

Coating: Hard Coated

Surface Quality: 60-40

Transmission (%): 93.00

Transmission Wavelength (nm): 521.2 - 1160.5

Edge Steepness (nm): 2.60

Transition Width (nm): <5.1

Laser Blocking Wavelength (nm): 514.5

Damage Threshold, By Design: 0.5 J/cm<sup>2</sup> @ 266nm, 10ns, 10Hz  
1 J/cm<sup>2</sup> @ 532nm, 10ns, 10Hz

## Threading & Mounting

Mount Thickness (mm): 3.5

## Environmental & Durability Factors

**Durability:** Environmental: MIL-STD-810F, Physical: MIL-C-48497A

**Temperature Dependence** <5

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## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

















## Product Details



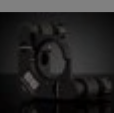











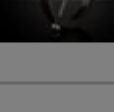

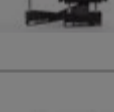



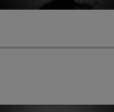

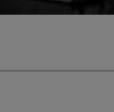





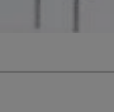

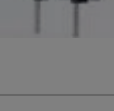


- Up to 93% Transmission to Detect Weak Signals
- Deep > OD 6 Blocking for Maximum Laser Rejection
- Ideal for Raman Spectroscopy, Confocal Microscopy, and Biotech Instrumentation
- Unrivaled Performance and Lifetime

Our Laser Line Longpass filters offer unprecedented performance in longpass laser edge filter applications. The steep edges (measured from an optical density of 6.0 to a transmission of 50%) make it possible to measure even the smallest Raman shifts, making these filters a superior alternative to costly holographic notch filters for Stokes Raman scattering measurements. Compared to notch filters, these edge filters offer better transmission, higher laser line blocking, and steeper edges, permitting measurement of Raman signals extremely close to the laser line. The large bandwidths and exceptional transmission permit these filters to be used in even the most demanding imaging applications.

## Technical Information








## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 <a href="#">Request Quote</a>	15 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Cell Assemblies			#36-461	€95,95	2 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws					CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	€107,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 <a href="#">Request Quote</a>	9 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	€336,00 <a href="#">Request Quote</a>	14 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	€361,00 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/> 
	5.0 - 100.0mm Optic Dia., Self-	Fixed		#16-078	€410,00 <a href="#">Request</a>	CONTACT US <input type="text" value="1"/> 

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<a href="#">MORE+</a>	 Centering Jaw Clamp				<a href="#">Quote</a>	
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Precision Gi Mount					4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/> 

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- Trending in Optics
- Glossary
- Application Note
- Published Article
- Video
- Scientific Paper

**? FAQ**

How do I use high performance laser line...

**↑ TRENDING IN OPTICS**

Trending in Optics: The Future of Optical Filters

**? FAQ**

What happens when a filter is tilted?

**? FAQ**

How do I determine which side of my filter is...

**GLOSSARY**

Blockina

**GLOSSARY**

Blocking Range

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