

TECHSPEC[®] 488nm, 12.5mm Diameter, Raman Edge Filter



Stock **#86-223** 1 In Stock

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1

+

€557^{.00}

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Volume Pricing	
Qty 1-9	€557,00 each
Qty 10-25	€473,00 each
Qty 26-49	€445,60 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Longpass Filter

Type:

Bandwidth (nm): >600		Note:
Physical & Mechanical Properties		
Diameter (mm):		12.50 +0.0/-0.1
Thickness Tolerance (mm):		±0.1
Clear Aperture (%):		>80
Optical Properties		
Angle of Incidence (°):		0 ±2
Optical Density OD (Average):		≥6.0
Cut-On Wavelength (nm):		492.90
Design Wavelength DWL (nm):		488
Substrate:		Fused Silica (Corning 7980)
Coating:		Hard Coated
Rejection Wavelength (nm):		394 - 488
Surface Quality:		60-40
Transmission (%):		>93
Transition Width (nm):		<4.9
Transmitted Wavefront, RMS:		<λ/4 @ 633nm
Coating Specification:		T _{avg} ≥93% @ 494.3 - 1100.8nm
Wavelength Range (nm):		394 - 1101
Laser Blocking Wavelength (nm):		488.00
Threading & Mounting		
Mount Thickness (mm):		3.5
Environmental & Durability Factors		
Durability:		Environmental: ML-STD-810F Physical: ML-C-48497A
Regulatory Compliance		
RoHS 2015:		Compliant
Certificate of Conformance:		View
Reach 247:		Compliant

PRODUCT DETAILS

- High Transmission for Detecting Weak Signals
 - Deep Blocking for Maximum Laser Rejection
 - Ideal for Raman Spectroscopy or Life Science Instrumentation
- TECHSPEC® Raman Longpass Edge Filters are single filter solutions for reducing spectral noise in Stokes shift applications. These filters are designed to create sharp transitions between transmitted Raman signals and blocked laser wavelengths. Designed to detect even the smallest Raman shifts, TECHSPEC Raman Longpass Edge Filters are ideal for integration into Raman spectroscopy or confocal microscopy systems. The hard coated design offers superior transmission characteristics than comparable traditional coated filters.

CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness

- Tight tolerances and complex geometries
 - Scalable production—from prototype to volume
- Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

COMPATIBLE MOUNTS

