

[See all 27 Products in Family](#)

TECHSPEC® 514.5nm, 25mm Diameter, Raman Edge Filter



Stock **#86-241** [CONTACT US](#)

- 1 + MRP ₹78,896

i Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-9	₹78,896 each
Qty 10-25	₹67,092 each
Qty 26-49	₹63,117 each
Need More?	Request Quote

Product Downloads

General

Longpass Filter **Type:**
Bandwidth (nm): >600 **Note:**

Physical & Mechanical Properties

25.00 +0.0/-0.1 **Diameter (mm):**

Clear Aperture (%):
>80

Optical Properties

Angle of Incidence (°):
0 ±2

Optical Density OD (Average):
≥6.0

Cut-On Wavelength (nm):
519.60

Design Wavelength DWL (nm):
514.5

Substrate:
Fused Silica (Corning 7980)

Coating:
Hard Coated

Rejection Wavelength (nm):
416 - 514.5

Surface Quality:
60-40

Transmission (%):
>93

Transition Width (nm):
<5.1

Transmitted Wavefront, RMS:
<λ/4 @ 633nm

Coating Specification:
T_{avg} ≥93% @ 521.2 - 1160.5nm

Wavelength Range (nm):
416 - 1161

Laser Blocking Wavelength (nm):
514.5

Threading & Mounting

Mount Thickness (mm):
3.5

Environmental & Durability Factors

Durability:
Environmental: ML-STD-810F
Physical: ML-C-48497A

Regulatory Compliance

RoHS 2015:
Compliant

Reach 209:
Compliant

Certificate of Conformance:
[View](#)

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Need different specs or modifications?

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](#).

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.

Compatible Mounts
