

TECHSPEC[®] 50mm Diameter, 850nm Cut-On SWIR Longpass Filter



Stock **#86-451** 20+ In Stock

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1

+

£131^{.20}

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Volume Pricing	
Qty 1-9	£131.20 each
Qty 10-25	£118.40 each
Qty 26-49	£112.80 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Longpass Filter

Type:

Physical & Mechanical Properties

50.00

Diameter (mm):

1.20 ±0.15

Thickness (mm):

+0.0/-0.2		Dimensional Tolerance (mm):
Optical Properties		
850.00		Cut-On Wavelength (nm):
BOROFLOAT®	Substrate: □	
Traditional Coated		Coating:
350 - 835		Rejection Wavelength (nm):
80-50		Surface Quality:
880 - 2500		Transmission Wavelength (nm):
0.85		Cut-On Wavelength (μm):
T _{avg} <0.5% @ 350 - 835nm T _{avg} >85% @ 880 - 1700 nm T _{avg} >75% @ 1700 - 2500nm		Coating Specification:
350 - 2500		Wavelength Range (nm):
4 - 6λ		Surface Flatness (P-V):
Regulatory Compliance		
Compliant		RoHS 2015:
View		Certificate of Conformance:
Compliant		REACH 241:

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

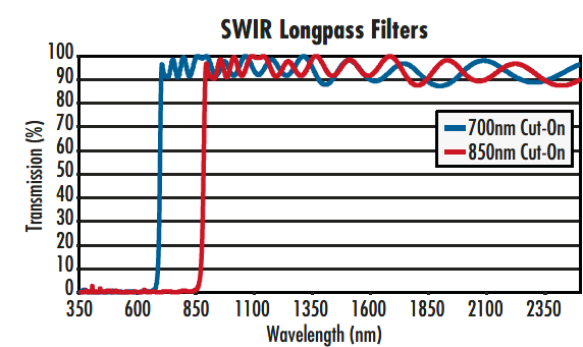
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Block Visible Wavelengths
- Ideal for Machine Vision Applications
- Can Be Used as Cold Mirrors
- Additional [Longpass Edge Filters](#) Available

Designed to pass short-wave infrared (SWIR) wavelengths while blocking visible light, TECHSPEC® SWIR Longpass Filters are ideal for increasing the image quality of InGaAs cameras in a variety of machine vision applications. These longpass edge filters are offered in multiple sizes and cut-on wavelengths. TECHSPEC SWIR Longpass Filters can also be used as extended cold mirrors to eliminate damage or adverse effects caused by heat build-up.

Technical Information



Compatible Mounts

