

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



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

⊖ 1 ⊕ A\$262⁴⁰

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Volume Pricing	
Qty 1-9	A\$262.40 each
Qty 10-25	A\$236.80 each
Qty 26-49	A\$225.60 each
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Product Downloads

General

Longpass Filter **Type:**

Physical & Mechanical Properties

50.00 **Diameter (mm):**

1.20 ±0.15 **Thickness (mm):**

Dimensional Tolerance (mm):

+0.0/-0.2

Optical Properties**Cut-On Wavelength (nm):**

850.00

Substrate:

BOROFLOAT®

Coating:

Traditional Coated

Rejection Wavelength (nm):

350 - 835

Surface Quality:

80-50

Transmission Wavelength (nm):

880 - 2500

Cut-On Wavelength (µm):

0.85

Coating Specification:

T_{avg} <0.5% @ 350 - 835nm
 T_{avg} >85% @ 880 - 1700 nm
 T_{avg} >75% @ 1700 - 2500nm

Wavelength Range (nm):

350 - 2500

Surface Flatness (P-V):

4 - 6λ

Regulatory Compliance**RoHS 2015:**

Compliant

Certificate of Conformance:

View

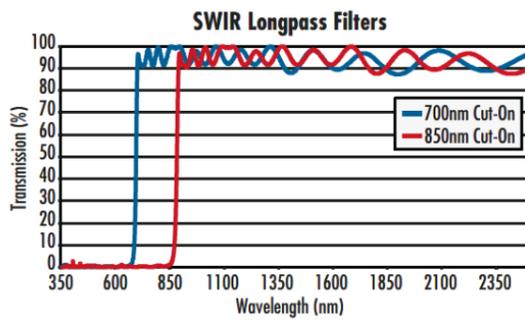
REACH 241:

Compliant

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**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

