

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



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

- 1 + C\$229.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	C\$229.60 each
Qty 10-25	C\$207.20 each
Qty 26-49	C\$197.40 each
Need More?	Request Quote

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

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):

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

350 - 2500
Wavelength Range (nm):

4 - 6λ
Surface Flatness (P-V):

Regulatory Compliance

Compliant
RoHS 2015:

View
Certificate of Conformance:

Compliant
REACH 241:

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

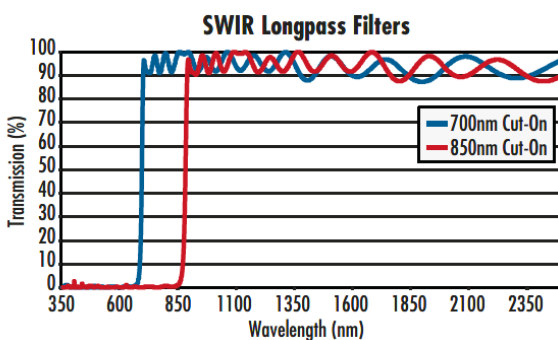
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- 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

