

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



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

£131<sup>.20</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	£131.20 each
Qty 10-25	£118.40 each
Qty 26-49	£112.80 each
Need More?	<a href="#">Request Quote</a>

! 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):**

**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<sub>avg</sub> <0.5% @ 350 - 835nm  
T<sub>avg</sub> >85% @ 880 - 1700 nm  
T<sub>avg</sub> >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

## 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

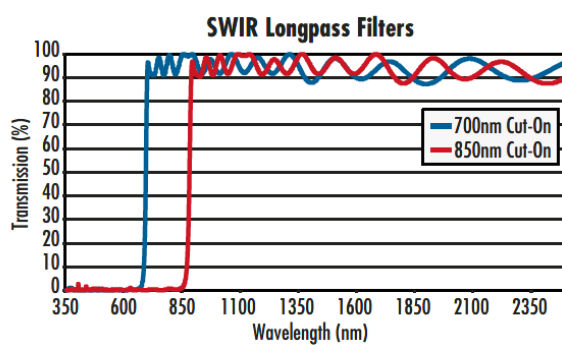
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## 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

