

[See all 8 Products in Family](#)

**TECHSPEC® 12.5mm Diameter, 850nm Cut-On SWIR Longpass Filter**



Stock **#86-449** [CONTACT US](#)

- 1 + ₹5,021

**ADD TO CART**

Volume Pricing	
Qty 1-9	₹5,021 each
Qty 10-25	₹4,515 each
Qty 26-49	₹4,282 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Longpass Filter **Type:**

**Physical & Mechanical Properties**

12.50 **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

**Country of Origin:**

United States

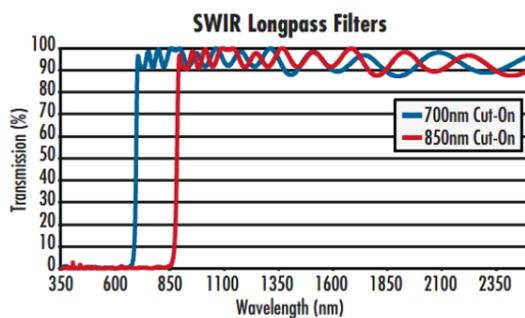
**Imported By:**

Edmund Optics India Private Limited

**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

---