

**TECHSPEC® 50 x 50mm, 700nm Cut-On SWIR Longpass Filter**



Stock **#86-448** **20+ In Stock**

- 1 + C\$275.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	C\$275.80 each
Qty 10-25	C\$247.80 each
Qty 26-49	C\$235.20 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Longpass Filter **Type:**

**Physical & Mechanical Properties**

50.0 x 50.0 **Dimensions (mm):**

50.00 **Length (mm):**

Thickness (mm):  
1.20 ±0.15

Width (mm):  
50.00

Dimensional Tolerance (mm):  
+0.0/-0.2

## Optical Properties

Cut-On Wavelength (nm):  
700.00

Substrate:   
BOROFLOAT®

Coating:  
Traditional Coated

Rejection Wavelength (nm):  
350 - 685

Surface Quality:  
80-50

Transmission Wavelength (nm):  
710 - 2500

Cut-On Wavelength (µm):  
0.7

Coating Specification:  
T<sub>avg</sub> <0.5% @ 350 - 685nm  
T<sub>avg</sub> >85% @ 900 - 1700 nm  
T<sub>avg</sub> >70% @ 710 - 900 nm and 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

## 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

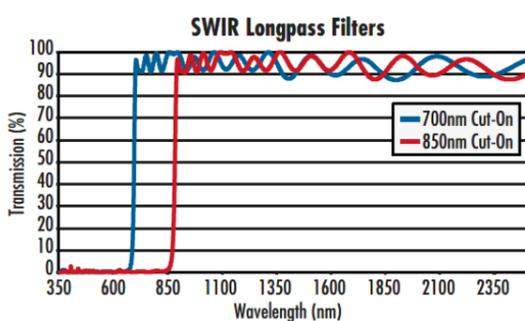
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## 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

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