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



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

⊖ 1 ⊕ **\$275^{.00}**

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Volume Pricing	
Qty 1-9	\$275.80 each
Qty 10-25	\$247.80 each
Qty 26-49	\$235.20 each
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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_{avg} <0.5% @ 350 - 685nm
T_{avg} >85% @ 900 - 1700 nm
T_{avg} >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](#)

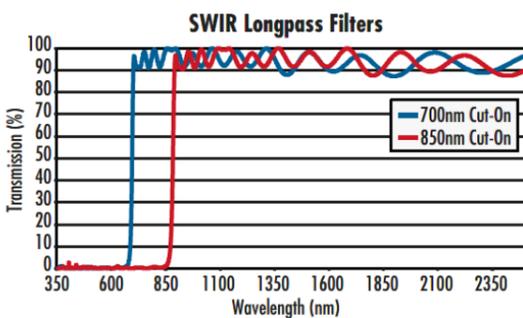
REACH 241:
Compliant

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
