

TECHSPEC[®] 50mm Diameter, 700nm Cut-On SWIR Longpass Filter



Stock **#86-447** 8 In Stock

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1

+

£131^{.20}

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Volume Pricing	
Qty 1-9	£131.20 each
Qty 10-25	£118.40 each
Qty 26-49	£112.80 each
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! 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):

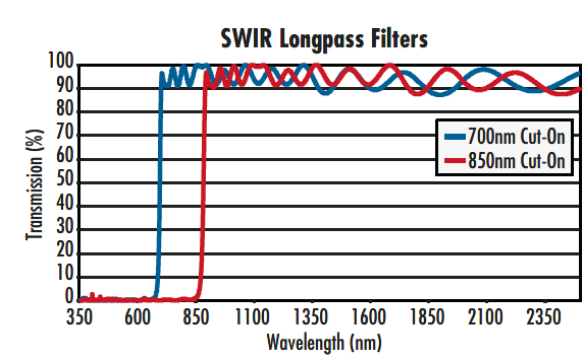
Dimensional Tolerance (mm):	
+0.0/-0.2	
Optical Properties	
Cut-On Wavelength (nm):	
700.00	
Substrate:	
BOROFLOAT®	
Coating:	
Traditional Coated	
Rejection Wavelength (nm):	
350 - 685	
Surface Quality:	
80-50	
Transmission Wavelength (nm):	
710 - 2500	
Cut-On Wavelength (µm):	
0.7	
Coating Specification:	
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

