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TECHSPEC[®]

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



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

-

1

+

€164^{.00}

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Volume Pricing	
Qty 1-9	€164,00 each
Qty 10-25	€148,00 each
Qty 26-49	€141,00 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):

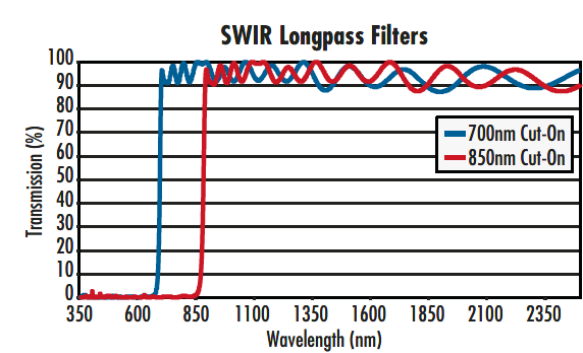
Dimensional Tolerance (mm):	
+0.0/-0.2	
Optical Properties	
Cut-On Wavelength (nm):	
850.00	
Substrate: 	
BOROFLOAT®	
Coating:	
Traditional Coated	
Rejection Wavelength (nm):	
350 - 835	
Surface Quality:	
80-50	
Transmission Wavelength (nm):	
880 - 2500	
Cut-On Wavelength (µm):	
0.85	
Coating Specification:	
T _{avg} <0.5% @ 350 - 835nm	
T _{avg} >85% @ 880 - 1700 nm	
T _{avg} >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	

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

