

TECHSPEC[®] 50mm Diameter, 850nm Cut-On SWIR Longpass Filter



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

-

1

+

S\$229^{.60}

ADD TO CART

Volume Pricing	
Qty 1-9	S\$229.60 each
Qty 10-25	S\$207.20 each
Qty 26-49	S\$197.40 each
Need More?	Request Quote

Product Downloads

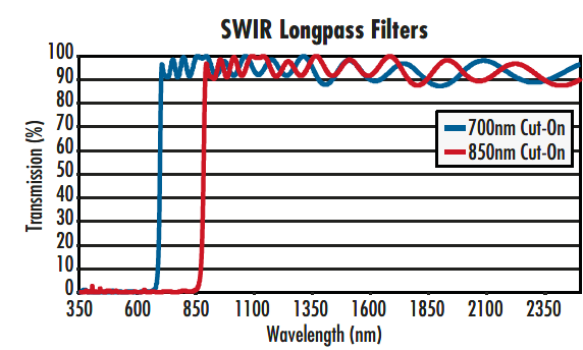
General	
Longpass Filter	Type:
Physical & Mechanical Properties	
50.00	Diameter (mm):
1.20 ±0.15	Thickness (mm):

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

