

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



Stock #86-447 10 In Stock

-

1

+

\$111^{.27}

~~\$222.53~~

ADD TO CART

Volume Pricing	
Qty 1-9	\$\$222.53 \$111.27 each
Qty 10-25	\$\$200.43 \$100.07 each
Qty 26-49	\$\$189.67 \$94.84 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:
Longpass Filter

Physical & Mechanical Properties

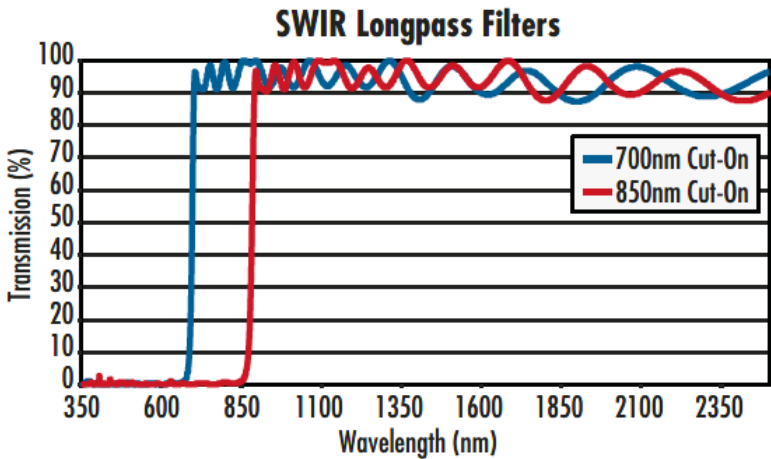
50.00	Diameter (mm):
1.20 ±0.15	Thickness (mm):
+0.0/-0.2	Dimensional Tolerance (mm):
Optical Properties	
700.00	Cut-On Wavelength (nm):
BOROFLOAT®	Substrate:
Traditional Coated	Coating:
350 - 685	Rejection Wavelength (nm):
80-50	Surface Quality:
710 - 2500	Transmission Wavelength (nm):
0.7	Cut-On Wavelength (µm):
T _{avg} <0.5% @ 350 - 685nm T _{avg} >85% @ 900 - 1700 nm T _{avg} >70% @ 710 - 900 nm and 1700 - 2500nm	Coating Specification:
350 - 2500	Wavelength Range (nm):
4 - 6λ	Surface Flatness (P-V):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

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

