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



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

- 1 + MRP ₹16,546

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹16,546 each
Qty 10-25	₹14,932 each
Qty 26-49	₹14,226 each
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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: <input type="checkbox"/>
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	
	Country of Origin:
United States	
	Imported By:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000	

Need different specs or modifications?

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

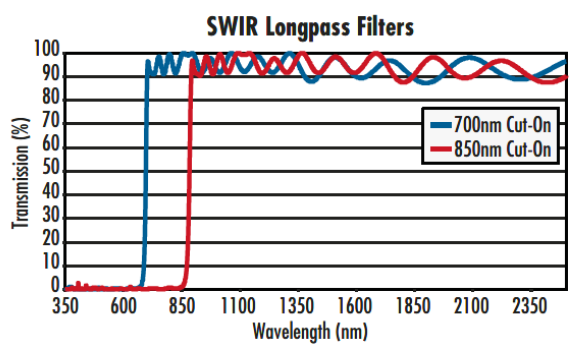
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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



Compatible Mounts