

TECHSPEC<sup>®</sup> 50 x 50mm, 850nm Cut-On SWIR Longpass Filter



Stock #86-452 2 In Stock

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1

+

£157<sup>.60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | £157.60 each                  |
| Qty 10-25      | £141.60 each                  |
| Qty 26-49      | £134.40 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Longpass Filter

Type:

Physical & Mechanical Properties

50.0 x 50.0

Dimensions (mm):

50.00

Length (mm):

|            |                             |
|------------|-----------------------------|
| 1.20 ±0.15 | Thickness (mm):             |
| 50.00      | Width (mm):                 |
| +0.0/-0.2  | Dimensional Tolerance (mm): |

Optical Properties

|                                                                                                                        |                                     |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 850.00                                                                                                                 | Cut-On Wavelength (nm):             |
| <a href="#">BOROFLOAT®</a>                                                                                             | Substrate: <input type="checkbox"/> |
| Traditional Coated                                                                                                     | Coating:                            |
| 350 - 835                                                                                                              | Rejection Wavelength (nm):          |
| 80-50                                                                                                                  | Surface Quality:                    |
| 880 - 2500                                                                                                             | Transmission Wavelength (nm):       |
| 0.85                                                                                                                   | Cut-On Wavelength (µm):             |
| T <sub>avg</sub> <0.5% @ 350 - 835nm<br>T <sub>avg</sub> >85% @ 880 - 1700 nm<br>T <sub>avg</sub> >75% @ 1700 - 2500nm | Coating Specification:              |
| 350 - 2500                                                                                                             | Wavelength Range (nm):              |
| 4 - 6λ                                                                                                                 | Surface Flatness (P-V):             |

Regulatory Compliance

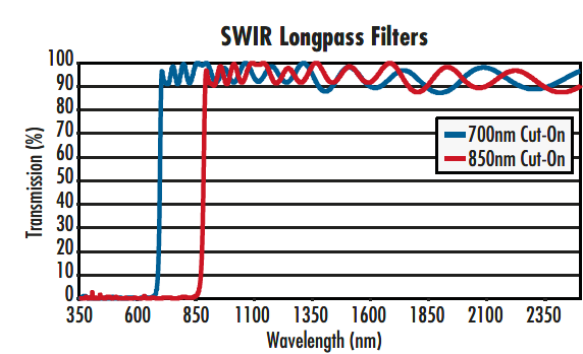
|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | REACH 241:                  |

## 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

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