

TECHSPEC[®] 800nm 12.5mm Diameter, OD 2.0 Shortpass Filter



TECHSPEC OD 2.0 Shortpass Filters

Stock **#47-818** 20+ In Stock

-

1

+

£78⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£78.40 each
Qty 6-25	£70.40 each
Qty 26-49	£67.20 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Shortpass Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.2

Thickness (mm):

1.50 ±0.1	
80.00	Clear Aperture (%):
Optical Properties	
0	Angle of Incidence (°):
≥2.0	Optical Density OD (Average):
800.00	Cut-Off Wavelength (nm):
Fused Silica (Corning 7980)	Substrate: ☐
Traditional Coated	Coating:
850 - 1050	Rejection Wavelength (nm):
40-20	Surface Quality:
>85	Transmission (%):
400 - 775	Transmission Wavelength (nm):
λ/4	Transmitted Wavefront, P-V:
±3	Slope Factor (%):
±2	Cut-Off Tolerance (%):
400 - 1050	Wavelength Range (nm):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

Product Details

- Sharp Cut-Off Wavelength
- High Transmission / Rejection Efficiency
- Precision Fused Silica Substrate

Our TECHSPEC® OD 2.0 Shortpass Filters are designed to have a very sharp transition from transmission to reflection, making them extremely useful in several applications. With an average transmission of 85% and an average blocking optical density of 2.0, excellent contrast can be achieved in machine vision and gauging applications. Available in a variety of cut-off wavelengths, they are ideal for fluorescence applications, separating spectral orders, and creating custom, efficient bandpass filters when combined with [TECHSPEC® OD 2.0 Longpass Filters](#). TECHSPEC® OD 2.0 Shortpass Filters have a single layer of AR coating on the back surface that enhances the overall efficiency of each filter. These filters are designed with a precision fused silica substrate.

Note: Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact kits@edmundoptics.com.

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