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**TECHSPEC® NIR (750-1100nm) OD 4.0 50nm Bandpass Filter Kit, 50mm Dia**



Stock #88-311 [CONTACT US](#)

C\$5,922<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1+         | C\$5,922.00 each              |
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Product Downloads

**General**

**Filters Included :**  
 CWL: [750nm](#), [800nm](#), [850nm](#), [900nm](#), [950nm](#),  
[1000nm](#), [1050nm](#), [1100nm](#)

**Type:**  
 Bandpass Filter

**Typical Applications:**  
 Bio-Imaging, Fluorescence Microscopy, Machine  
 Vision

**Number of Filters:**  
 8

**Physical & Mechanical Properties**

Diameter (mm):  
50.00

Physical Durability:  
Adhesion: ML-C-48497A, 3.4.1.1  
Abrasion: ML-C-48497A, 3.4.1.3  
Temperature: ML-C-48497A, 3.4.2.1  
Cleaning: ML-C-48497A, 3.4.2.19

## Optical Properties

Optical Density OD (Average):  
≥4.0

Full Width-Half Max FWHM (nm):  
50.00

Coating:  
Hard Coated

Wavelength:  
NIR

## Environmental & Durability Factors

Environmental Durability:  
Humidity: ML-STD 810.F, Method 507.4

## Regulatory Compliance

Certificate of Conformance:  
[View](#)

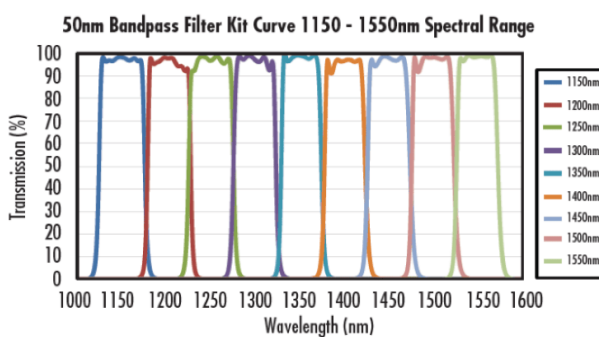
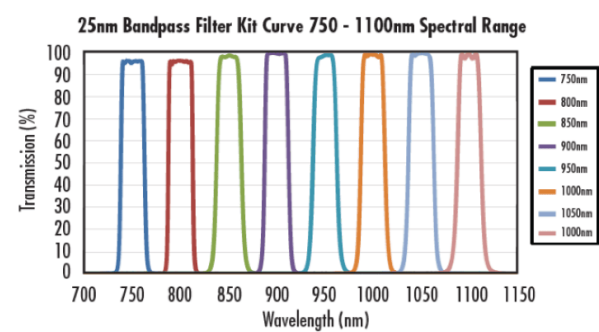
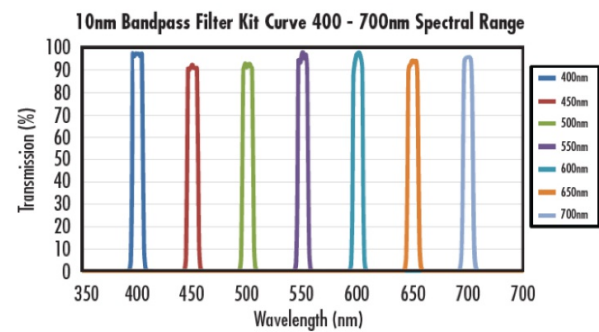
## Product Details

- High Transmission with Flat Transmission Profile
- Durable Hard Coatings on a Single Glass Substrate
- Easily Handled and Cleaned
- Individual OD 4.0 **10nm**, **25nm**, and **50nm** Bandpass Filters Also Available
- Note: Potential change of packaging

TECHSPEC® Hard Coated OD 4.0 Bandpass Filter Kits include a variety of optical bandpass filters that are designed for narrowband to broadband performance in the visible, near-infrared, or infrared wavelength ranges. The included optical bandpass filters are manufactured using a single glass substrate to remove the potential performance loss caused by absorbing glass or silver blocking layers, custom dyes, or lamination. TECHSPEC® Hard Coated OD 4.0 Bandpass Filters Kits are ideal for applications including chemical analysis, bio-imaging, or machine vision.

**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](mailto:kits@edmundoptics.com).

## Technical Information



| Center Wavelength | 12.5mm Diameter (#88-292) | 25.0mm Diameter (#88-299) | 50mm Diameter (#88-306) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 400nm             | <a href="#">#65-071</a>   | <a href="#">#65-132</a>   | <a href="#">#65-193</a> |
| 450nm             | <a href="#">#65-079</a>   | <a href="#">#65-140</a>   | <a href="#">#65-201</a> |

|       |         |         |         |
|-------|---------|---------|---------|
| 500nm | #65-088 | #65-149 | #65-210 |
| 550nm | #65-098 | #65-159 | #65-220 |
| 600nm | #65-102 | #65-163 | #65-224 |
| 650nm | #65-109 | #65-170 | #65-230 |
| 700nm | #87-888 | #88-012 | #88-018 |

| Center Wavelength | 12.5mm Diameter (#88-293) | 25.0mm Diameter (#88-300) | 50mm Diameter (#88-307) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 400nm             | #86-640                   | #86-652                   | #86-664                 |
| 450nm             | #86-641                   | #86-653                   | #86-665                 |
| 500nm             | #86-642                   | #86-654                   | #86-666                 |
| 550nm             | #86-643                   | #86-655                   | #86-667                 |
| 600nm             | #86-644                   | #86-656                   | #86-668                 |
| 650nm             | #86-645                   | #86-657                   | #86-669                 |
| 700nm             | #86-646                   | #86-658                   | #86-670                 |

| Center Wavelength | 12.5mm Diameter (#88-294) | 25.0mm Diameter (#88-301) | 50mm Diameter (#88-308) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 750nm             | #86-647                   | #86-659                   | #86-671                 |
| 800nm             | #86-648                   | #86-660                   | #86-672                 |
| 850nm             | #86-649                   | #86-661                   | #86-673                 |
| 900nm             | #86-650                   | #86-662                   | #86-674                 |
| 950nm             | #86-651                   | #86-663                   | #86-675                 |
| 1000nm            | #87-811                   | #87-823                   | #87-835                 |
| 1050nm            | #87-812                   | #87-824                   | #87-836                 |
| 1100nm            | #87-813                   | #87-825                   | #87-837                 |

| Center Wavelength | 12.5mm Diameter (#88-295) | 25.0mm Diameter (#88-302) | 50mm Diameter (#88-309) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 1150nm            | #87-814                   | #87-826                   | #87-838                 |
| 1200nm            | #87-815                   | #87-827                   | #87-839                 |
| 1250nm            | #87-816                   | #87-828                   | #87-840                 |
| 1300nm            | #87-817                   | #87-829                   | #87-841                 |
| 1350nm            | #87-818                   | #87-830                   | #87-842                 |
| 1400nm            | #87-819                   | #87-831                   | #87-843                 |
| 1450nm            | #87-820                   | #87-832                   | #87-844                 |
| 1500nm            | #87-821                   | #87-833                   | #87-845                 |
| 1550nm            | #87-822                   | #87-834                   | #87-846                 |

| Center Wavelength | 12.5mm Diameter (#88-296) | 25.0mm Diameter (#88-303) | 50mm Diameter (#88-310) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 400nm             | #84-769                   | #84-781                   | #84-793                 |
| 450nm             | #84-770                   | #84-782                   | #84-794                 |
| 500nm             | #84-771                   | #84-783                   | #84-795                 |
| 550nm             | #84-772                   | #84-784                   | #84-796                 |
| 600nm             | #84-773                   | #84-785                   | #84-797                 |
| 650nm             | #84-774                   | #84-786                   | #84-798                 |
| 700nm             | #84-775                   | #84-787                   | #84-799                 |

| Center Wavelength | 12.5mm Diameter (#88-297) | 25.0mm Diameter (#88-304) | 50mm Diameter (#88-311) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 750nm             | #84-776                   | #84-788                   | #84-800                 |
| 800nm             | #84-777                   | #84-789                   | #84-801                 |
| 850nm             | #84-778                   | #84-790                   | #84-802                 |
| 900nm             | #84-779                   | #84-791                   | #84-803                 |
| 950nm             | #84-780                   | #84-792                   | #84-804                 |
| 1000nm            | #85-880                   | #85-892                   | #85-904                 |
| 1050nm            | #85-881                   | #85-893                   | #85-905                 |
| 1100nm            | #85-882                   | #85-894                   | #85-906                 |

| Center Wavelength | 12.5mm Diameter (#88-298) | 25.0mm Diameter (#88-305) | 50mm Diameter (#88-312) |
|-------------------|---------------------------|---------------------------|-------------------------|
| 1150nm            | #85-883                   | #85-895                   | #85-907                 |
| 1200nm            | #85-884                   | #85-896                   | #85-908                 |
| 1250nm            | #85-885                   | #85-897                   | #85-909                 |
| 1300nm            | #85-886                   | #85-898                   | #85-910                 |
| 1350nm            | #85-887                   | #85-899                   | #85-911                 |

|        |         |         |         |
|--------|---------|---------|---------|
| 1400nm | #85-888 | #85-900 | #85-912 |
| 1450nm | #85-889 | #85-901 | #85-913 |
| 1500nm | #85-890 | #85-902 | #85-914 |
| 1550nm | #85-891 | #85-903 | #85-915 |

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