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TECHSPEC<sup>®</sup> IR (1150-1550nm) OD 4.0 50nm Bandpass Filter Kit, 25mm Dia



Stock **#88-305** [CONTACT US](#)

-

1

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₹1,72,827

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| General                                                                                                                                                                                                                                                   |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Filters Included :<br>CWL: <a href="#">1150nm</a> , <a href="#">1200nm</a> , <a href="#">1250nm</a> , <a href="#">1300nm</a> , <a href="#">1350nm</a> , <a href="#">1400nm</a> , <a href="#">1450nm</a> , <a href="#">1500nm</a> , <a href="#">1550nm</a> |                    |
| Bandpass Filter                                                                                                                                                                                                                                           | Type:              |
| Typical Applications:<br>Bio-Imaging, Fluorescence Microscopy, Machine Vision                                                                                                                                                                             |                    |
| 9                                                                                                                                                                                                                                                         | Number of Filters: |
| Physical & Mechanical Properties                                                                                                                                                                                                                          |                    |

|                                    |  |                                                                                                                                          |
|------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|
| Diameter (mm):                     |  | 25.00                                                                                                                                    |
| Physical Durability:               |  | Adhesion: ML-C-48497A, 3.4.1.1<br>Abrasion: ML-C-48497A, 3.4.1.3<br>Temperature: ML-C-48497A, 3.4.2.1<br>Cleaning: ML-C-48497A, 3.4.2.21 |
| Optical Properties                 |  |                                                                                                                                          |
| Optical Density OD (Average):      |  | ≥4.0                                                                                                                                     |
| Full Width-Half Max FWHM (nm):     |  | 50.00                                                                                                                                    |
| Coating:                           |  | Hard Coated                                                                                                                              |
| Wavelength:                        |  | IR                                                                                                                                       |
| Environmental & Durability Factors |  |                                                                                                                                          |
| Environmental Durability:          |  | Humidity: MIL-STD 810.F, Method 507.4                                                                                                    |
| Regulatory Compliance              |  |                                                                                                                                          |
| Certificate of Conformance:        |  | <a href="#">View</a>                                                                                                                     |
| Country of Origin:                 |  | United States                                                                                                                            |
| Imported By:                       |  | Edmund Optics India Private Limited                                                                                                      |

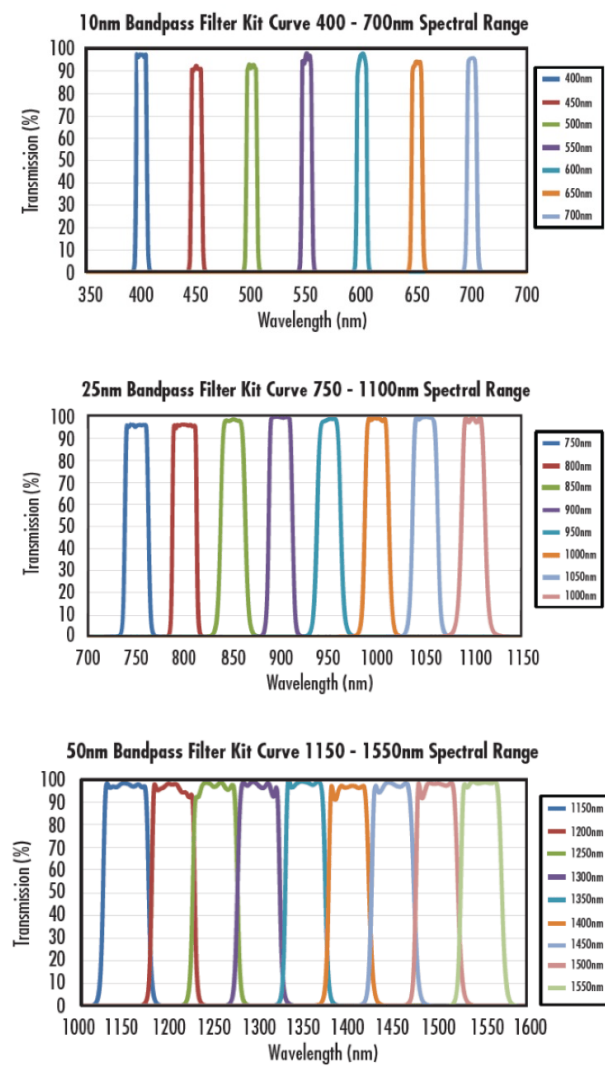
## Product Details

- 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             | #65-071                   | #65-132                   | #65-193                 |
| 450nm             | #65-079                   | #65-140                   | #65-201                 |
| 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 | <a href="#">#85-886</a> | <a href="#">#85-898</a> | <a href="#">#85-910</a> |
| 1350nm | <a href="#">#85-887</a> | <a href="#">#85-899</a> | <a href="#">#85-911</a> |
| 1400nm | <a href="#">#85-888</a> | <a href="#">#85-900</a> | <a href="#">#85-912</a> |
| 1450nm | <a href="#">#85-889</a> | <a href="#">#85-901</a> | <a href="#">#85-913</a> |
| 1500nm | <a href="#">#85-890</a> | <a href="#">#85-902</a> | <a href="#">#85-914</a> |
| 1550nm | <a href="#">#85-891</a> | <a href="#">#85-903</a> | <a href="#">#85-915</a> |