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UV/VIS Bandpass & Laser Line Filters: 340 - 694.3 nm Center Wavelength

- ▶ Pass Regions Between 1 nm and 40 nm FWHM
- ▶ Ø1/2" and Ø1" Mounted Filters
- ▶ <0.01% Transmission in Blocking Region



FL532-1



FB650-40

FKB-VIS-40

Transmission Direction Indicator

Related Items

Filter Mounts



Fast-Change Filter Mount



Fast Filter Wheel



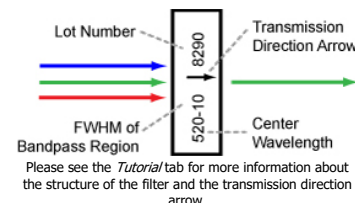
Liquid Crystal Tunable Filter


[Overview](#) [Specs](#) [Tutorial](#) [Feedback](#)

Features

- Central Wavelengths from 340 nm to 694.3 nm
- 1, 3, 10, or 40 nm Bandpass Regions
- Ø1/2" or Ø1" Mounted Filters
- Edge Scribed for Superb Long-Term Stability
- Typical Transmission Plots Available for Every Filter
- Laser Line Filters for Popular Laser Diode, Argon, Krypton, HeCd, HeNe, and Nd:YAG Laser Lines


**Optic Handling
and Cleaning
Tutorial**

[Click to Enlarge](#)
FL532-1 Filter Mounted in a
TRF90 Flip Mount Using a
Retaining Ring


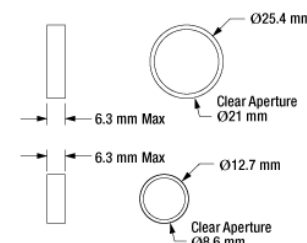
The bandpass and laser line filters shown on this page feature center wavelengths shorter than 700 nm. Transmission curves for individual filters are available by viewing the Spec sheet for an individual filter. Each filter is mounted in an unthreaded black anodized aluminum ring with an outer diameter of Ø1/2" or Ø1" and a maximum edge thickness of 6.3 mm. Please note that Ø1/2" filter options are highlighted in green in the tables below.

Thorlabs' bandpass filters provide one of the simplest ways to transmit a well-defined wavelength band of light, while rejecting other unwanted radiation. Their design is essentially that of a thin film Fabry-Perot Interferometer formed by vacuum deposition techniques and consists of two reflecting stacks, separated by an even-order spacer layer. These reflecting stacks are constructed from alternating layers of high and low refractive index materials, which can have a reflectance in excess of 99.99%. By varying the thickness of the spacer layer and/or the number of reflecting layers, the central wavelength and bandwidth of the filter can be altered.

This type of filter displays very high transmission in the bandpass region, but the spectral range of blocked light on either side of the bandpass region is narrow. To compensate for this, an additional blocking component is added, which is either an all dielectric or a metal-dielectric depending on the requirements of the filter. Although this additional blocking component will eliminate any unwanted out-of-band radiation, it also reduces the filter's overall transmission throughput. For applications with demanding wavefront requirements, such as imaging, please consider our [premium bandpass filters](#).

Each filter is housed in a black anodized aluminum ring that is labeled with an arrow indicating the design transmission direction. The ring makes handling easier and enhances the blocking OD by limiting scattering. These filters can be mounted in our extensive line of [filter mounts and wheels](#). As the mounts are not threaded, [retaining rings](#) will be required to mount the filters in one of our internally-threaded [lens tubes](#) or filter mounts, as shown above. We do not recommend removing the filter from its mount, as the filter consists of several layers of glass that are held together with epoxy and the mounting ring. These glass layers are necessary to protect the dielectric coating from the atmosphere; exposure would significantly reduce the filter's transmission efficiency over time.

Please note that due to the gradual breakdown of the dielectric coatings, our bandpass filters have a typical lifetime of two years. Older filters will experience a decrease in overall transmission in the passband.



Additional Bandpass Filters

[UV/Visible Bandpass Filters](#)
340 - 694.3 nm CWLs

[NIR Bandpass Filters](#)
700 - 1650 nm CWLs

[MIR Bandpass Filters](#)
1750 - 9500 nm CWLs

[Premium Bandpass Filters](#)
300 - 1550 nm CWLs

[Bandpass Filter Kits](#)

We also offer custom bandpass filters with other central wavelengths or FWHM. To request a quote, contact [Tech Support](#).

340 - 390 nm Bandpass Filters

| Item # | CWL ^a | FWHM ^b | T (Min) ^c | Blocking ^d | Transmission/ OD Data ^a | Laser Line | Size |
|----------|------------------|-------------------|----------------------|-----------------------|---------------------------------------|------------|------|
| FB340-10 | 340 ± 2 nm | 10 ± 2 nm | 25% | 200 - 3000 nm | i | N/A | Ø1" |
| FB350-10 | 350 ± 2 nm | 10 ± 2 nm | 25% | 200 - 3000 nm | i | N/A | Ø1" |
| FL355-10 | 355 ± 2 nm | 10 ± 2 nm | 25% | 200 - 1150 nm | i | Nd:YAG | Ø1" |
| FB360-10 | 360 ± 2 nm | 10 ± 2 nm | 25% | 200 - 3000 nm | i | N/A | Ø1" |
| FB370-10 | 370 ± 2 nm | 10 ± 2 nm | 25% | 200 - 3000 nm | i | N/A | Ø1" |
| FB380-10 | 380 ± 2 nm | 10 ± 2 nm | 25% | 200 - 3000 nm | i | N/A | Ø1" |
| FB390-10 | 390 ± 2 nm | 10 ± 2 nm | 30% | 200 - 3000 nm | i | N/A | Ø1" |

a. Center Wavelength

b. Full Width Half Max

c. Minimum Transmission at Center Wavelength

d. <0.01% (<40 dB)

e. Click on [i](#) for a plot and downloadable data. Measured data accounts for all losses including Fresnel reflections. Please note that transmission is only guaranteed for the specified center wavelength and that the data in the plots is typical. Performance may vary from lot to lot.

Based on your currency / country selection, your order will ship from Newton, New Jersey

| +1 | Qty | Docs | Part Number - Universal | Price | Available |
|----|-----|------|-------------------------|-------|-----------|
|----|-----|------|-------------------------|-------|-----------|



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|--|--|--------------------------|---|----------|-------|
| | | FB360-10 | Ø1" Bandpass Filter, CWL = 360 ± 2 nm, FWHM = 10 ± 2 nm | \$146.08 | Today |
| | | FB370-10 | Ø1" Bandpass Filter, CWL = 370 ± 2 nm, FWHM = 10 ± 2 nm | \$146.08 | Today |
| | | FB380-10 | Ø1" Bandpass Filter, CWL = 380 ± 2 nm, FWHM = 10 ± 2 nm | \$146.08 | Today |
| | | FB390-10 | Ø1" Bandpass Filter, CWL = 390 ± 2 nm, FWHM = 10 ± 2 nm | \$146.08 | Today |
| <input type="button" value="Add To Cart"/> | | | | | |

400 - 490 nm Bandpass Filters

| Item # | CWL ^a | FWHM ^b | T (Min) ^c | Blocking ^d | Transmission/ OD Data ^e | Laser Line | Size |
|------------|------------------|-------------------|----------------------|-----------------------|---------------------------------------|------------|-------|
| FB400-10 | 400 ± 2 nm | 10 ± 2 nm | 37% | 200 - 3000 nm | | N/A | Ø1" |
| FB400-40 | 400 ± 8 nm | 40 ± 8 nm | 45% | 200 - 1150 nm | | N/A | Ø1" |
| FB405-10 | 405 ± 2 nm | 10 ± 2 nm | 37% | 200 - 3000 nm | | N/A | Ø1" |
| FB410-10 | 410 ± 2 nm | 10 ± 2 nm | 40% | 200 - 3000 nm | | N/A | Ø1" |
| FB420-10 | 420 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FB430-10 | 430 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FB440-10 | 440 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FL441.6-10 | 441.6 ± 2 nm | 10 ± 2 nm | 60% | 200 - 1150 nm | | HeCd | Ø1" |
| FB450-10 | 450 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FB450-40 | 450 ± 8 nm | 40 ± 8 nm | 45% | 200 - 1150 nm | | N/A | Ø1" |
| FL457.9-10 | 457.9 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1150 nm | | Argon | Ø1" |
| FL460-10 | 460 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1150 nm | | Argon | Ø1" |
| FB460-10 | 460 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FB470-10 | 470 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FB480-10 | 480 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |
| FL488-1 | 488 ± 0.2 nm | 1 ± 0.2 nm | 40% | 200 - 1150 nm | | Argon | Ø1" |
| FL488-3 | 488 ± 0.6 nm | 3 ± 0.6 nm | 45% | 200 - 1150 nm | | Argon | Ø1" |
| FL05488-10 | 488 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1100 nm | | Argon | Ø1/2" |
| FL488-10 | 488 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1150 nm | | Argon | Ø1" |
| FB490-10 | 490 ± 2 nm | 10 ± 2 nm | 45% | 200 - 3000 nm | | N/A | Ø1" |

a. Center Wavelength

b. Full Width Half Max

c. Minimum Transmission at Center Wavelength

d. <0.01% (<40 dB)

e. Click on for a plot and downloadable data. Measured data accounts for all losses including Fresnel reflections. Please note that transmission is only guaranteed for the specified center wavelength and that the data in the plots is typical. Performance may vary from lot to lot.

Based on your currency / country selection, your order will ship from Newton, New Jersey

| +1 | Qty | Docs | Part Number - Universal | Price | Available |
|----|----------------------|------|--|----------|---------------------------|
| | <input type="text"/> | | FB400-10 Ø1" Bandpass Filter, CWL = 400 ± 2 nm, FWHM = 10 ± 2 nm | \$135.27 | Today |
| | <input type="text"/> | | FB400-40 Ø1" Bandpass Filter, CWL = 400 ± 8 nm, FWHM = 40 ± 8 nm | \$122.28 | Today |
| | <input type="text"/> | | FB405-10 Ø1" Bandpass Filter, CWL = 405 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Today |
| | <input type="text"/> | | FB410-10 Ø1" Bandpass Filter, CWL = 410 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Lead Time |
| | <input type="text"/> | | FB420-10 Ø1" Bandpass Filter, CWL = 420 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Today |
| | <input type="text"/> | | FB430-10 Ø1" Bandpass Filter, CWL = 430 ± 2 nm, FWHM = 10 ± 2 nm | \$107.13 | Today |
| | <input type="text"/> | | FB440-10 Ø1" Bandpass Filter, CWL = 440 ± 2 nm, FWHM = 10 ± 2 nm | \$107.13 | Today |
| | <input type="text"/> | | FL441.6-10 Ø1" Laser Line Filter, CWL = 441.6 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Today |
| | <input type="text"/> | | FB450-10 Ø1" Bandpass Filter, CWL = 450 ± 2 nm, FWHM = 10 ± 2 nm | \$107.13 | Today |
| | <input type="text"/> | | FB450-40 Ø1" Bandpass Filter, CWL = 450 ± 8 nm, FWHM = 40 ± 8 nm | \$103.89 | Today |
| | <input type="text"/> | | FL457.9-10 Ø1" Laser Line Filter, CWL = 457.9 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Today |
| | <input type="text"/> | | FL460-10 Ø1" Laser Line Filter, CWL = 460 ± 2 nm, FWHM = 10 ± 2 nm | \$108.21 | Today |
| | <input type="text"/> | | FB460-10 Ø1" Bandpass Filter, CWL = 460 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB470-10 Ø1" Bandpass Filter, CWL = 470 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB480-10 Ø1" Bandpass Filter, CWL = 480 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FL488-1 Ø1" Laser Line Filter, CWL = 488 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$228.33 | Today |
| | <input type="text"/> | | FL488-3 Ø1" Laser Line Filter, CWL = 488 ± 0.6 nm, FWHM = 3 ± 0.6 nm | \$195.86 | Today |
| | <input type="text"/> | | FL05488-10 Ø1/2" Laser Line Filter, CWL = 488 ± 2 nm, FWHM = 10 ± 2 nm | \$51.14 | Today |
| | <input type="text"/> | | FL488-10 Ø1" Laser Line Filter, CWL = 488 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB490-10 Ø1" Bandpass Filter, CWL = 490 ± 2 nm, FWHM = 10 ± 2 nm | \$99.56 | Today |

500 - 590 nm Bandpass Filters

| Item # | CWL ^a | FWHM ^b | T (Min) ^c | Blocking ^d | Transmission/ OD Data ^e | Laser Line | Size |
|------------|------------------|-------------------|----------------------|-----------------------|---------------------------------------|------------|------|
| FB500-10 | 500 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | | N/A | Ø1" |
| FB500-40 | 500 ± 8 nm | 40 ± 8 nm | 70% | 200 - 1150 nm | | N/A | Ø1" |
| FL508.5-10 | 508.5 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1150 nm | | Argon | Ø1" |



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|------------|----------------|------------|-----|---------------|--|--------|-------|
| FL0514.5-1 | 514.5 ± 0.2 nm | 1 ± 0.2 nm | 45% | 200 - 1100 nm | | Argon | Ø1/2" |
| FL514.5-1 | 514.5 ± 0.2 nm | 1 ± 0.2 nm | 45% | 200 - 1150 nm | | Argon | Ø1" |
| FL514.5-3 | 514.5 ± 0.6 nm | 3 ± 0.6 nm | 55% | 200 - 1150 nm | | Argon | Ø1" |
| FL514.5-10 | 514.5 ± 2 nm | 10 ± 2 nm | 65% | 200 - 1150 nm | | Argon | Ø1" |
| FB520-10 | 520 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB530-10 | 530 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FL05532-1 | 532 ± 0.2 nm | 1 ± 0.2 nm | 40% | 200 - 1100 nm | | Nd:YAG | Ø1/2" |
| FL532-1 | 532 ± 0.2 nm | 1 ± 0.2 nm | 40% | 200 - 1150 nm | | Nd:YAG | Ø1" |
| FL532-3 | 532 ± 0.6 nm | 3 ± 0.6 nm | 60% | 200 - 1150 nm | | Nd:YAG | Ø1" |
| FL05532-10 | 532 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1100 nm | | Nd:YAG | Ø1/2" |
| FL532-10 | 532 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | | Nd:YAG | Ø1" |
| FB540-10 | 540 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FL543.5-10 | 543.5 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | | HeNe | Ø1" |
| FB550-10 | 550 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | | N/A | Ø1" |
| FB550-40 | 550 ± 8 nm | 40 ± 8 nm | 70% | 200 - 1150 nm | | N/A | Ø1" |
| FB560-10 | 560 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB570-10 | 570 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB580-10 | 580 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB590-10 | 590 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |

a. Center Wavelength

b. Full Width Half Max

c. Minimum Transmission at Center Wavelength

d. <0.01% (<40 dB)

e. Click on for a plot and downloadable data. Measured data accounts for all losses including Fresnel reflections. Please note that transmission is only guaranteed for the specified center wavelength and that the data in the plots is typical. Performance may vary from lot to lot.

Based on your currency / country selection, your order will ship from Newton, New Jersey

| +1 | Qty | Docs | Part Number - Universal | Price | Available |
|----|----------------------|------|--|----------|-----------|
| | <input type="text"/> | | FB500-10 Ø1" Bandpass Filter, CWL = 500 ± 2 nm, FWHM = 10 ± 2 nm | \$99.56 | Today |
| | <input type="text"/> | | FB500-40 Ø1" Bandpass Filter, CWL = 500 ± 8 nm, FWHM = 40 ± 8 nm | \$99.56 | Today |
| | <input type="text"/> | | FL508.5-10 Ø1" Laser Line Filter, CWL = 508.5 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB510-10 Ø1" Bandpass Filter, CWL = 510 ± 2 nm, FWHM = 10 ± 2 nm | \$95.77 | Today |
| | <input type="text"/> | | FL05514.5-1 Ø1/2" Laser Line Filter, CWL = 514.5 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$98.75 | Today |
| | <input type="text"/> | | FL514.5-1 Ø1" Laser Line Filter, CWL = 514.5 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$228.33 | Today |
| | <input type="text"/> | | FL514.5-3 Ø1" Laser Line Filter, CWL = 514.5 ± 0.6 nm, FWHM = 3 ± 0.6 nm | \$149.33 | Today |
| | <input type="text"/> | | FL514.5-10 Ø1" Laser Line Filter, CWL = 514.5 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB520-10 Ø1" Bandpass Filter, CWL = 520 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB530-10 Ø1" Bandpass Filter, CWL = 530 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FL05532-1 Ø1/2" Laser Line Filter, CWL = 532 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$98.75 | Today |
| | <input type="text"/> | | FL532-1 Ø1" Laser Line Filter, CWL = 532 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$228.33 | Today |
| | <input type="text"/> | | FL532-3 Ø1" Laser Line Filter, CWL = 532 ± 0.6 nm, FWHM = 3 ± 0.6 nm | \$149.33 | Today |
| | <input type="text"/> | | FL05532-10 Ø1/2" Laser Line Filter, CWL = 532 ± 2 nm, FWHM = 10 ± 2 nm | \$51.14 | Today |
| | <input type="text"/> | | FL532-10 Ø1" Laser Line Filter, CWL = 532 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | 5-8 Days |
| | <input type="text"/> | | FB540-10 Ø1" Bandpass Filter, CWL = 540 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FL543.5-10 Ø1" Laser Line Filter, CWL = 543.5 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB550-10 Ø1" Bandpass Filter, CWL = 550 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB550-40 Ø1" Bandpass Filter, CWL = 550 ± 8 nm, FWHM = 40 ± 8 nm | \$109.29 | Today |
| | <input type="text"/> | | FB560-10 Ø1" Bandpass Filter, CWL = 560 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB570-10 Ø1" Bandpass Filter, CWL = 570 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB580-10 Ø1" Bandpass Filter, CWL = 580 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB590-10 Ø1" Bandpass Filter, CWL = 590 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |

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600 - 694.3 nm Bandpass Filters

| Item # | CWL ^a | FWHM ^b | T (Min) ^c | Blocking ^d | Transmission/ OD Data ^e | Laser Line | Size |
|--------------|------------------|-------------------|----------------------|-----------------------|---------------------------------------|------------|-------|
| FB600-10 | 600 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | | N/A | Ø1" |
| FB600-40 | 600 ± 8 nm | 40 ± 8 nm | 70% | 200 - 1150 nm | | N/A | Ø1" |
| FB610-10 | 610 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB620-10 | 620 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FB630-10 | 630 ± 2 nm | 10 ± 2 nm | 50% | 200 - 3000 nm | | N/A | Ø1" |
| FL05632.8-1 | 632.8 ± 0.2 nm | 1 ± 0.2 nm | 50% | 200 - 1100 nm | | HeNe | Ø1/2" |
| FL632.8-1 | 632.8 ± 0.2 nm | 1 ± 0.2 nm | 50% | 200 - 1150 nm | | HeNe | Ø1" |
| FL05632.8-3 | 632.8 ± 0.6 nm | 3 ± 0.6 nm | 65% | 200 - 1100 nm | | HeNe | Ø1/2" |
| FL632.8-3 | 632.8 ± 0.6 nm | 3 ± 0.6 nm | 65% | 200 - 1150 nm | | HeNe | Ø1" |
| FL05632.8-10 | 632.8 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1100 nm | | HeNe | Ø1/2" |
| FL632.8-10 | 632.8 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | | HeNe | Ø1" |
| FL05635-10 | 635 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1100 nm | | Diode | Ø1/2" |



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| Part Number | Center Wavelength | FWHM | Transmission | Wavelength Range | Material | Size |
|-------------|-------------------|-----------|--------------|------------------|----------|------|
| FL647.1-10 | 647.1 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | Krypton | Ø1" |
| FB650-10 | 650 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | N/A | Ø1" |
| FB650-40 | 650 ± 8 nm | 40 ± 8 nm | 70% | 200 - 1150 nm | N/A | Ø1" |
| FB660-10 | 660 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | N/A | Ø1" |
| FB670-10 | 670 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | N/A | Ø1" |
| FL670-10 | 670 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | Diode | Ø1" |
| FB680-10 | 680 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | N/A | Ø1" |
| FB690-10 | 690 ± 2 nm | 10 ± 2 nm | 50% | 200 - 1200 nm | N/A | Ø1" |
| FL694.3-10 | 694.3 ± 2 nm | 10 ± 2 nm | 70% | 200 - 1150 nm | Ruby | Ø1" |

a. Center Wavelength

b. Full Width Half Max

c. Minimum Transmission at Center Wavelength

d. <0.01% (<40 dB)

e. Click on for a plot and downloadable data. Measured data accounts for all losses including Fresnel reflections. Please note that transmission is only guaranteed for the specified center wavelength and that the data in the plots is typical. Performance may vary from lot to lot.

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| +1 | Qty | Docs | Part Number - Universal | Price | Available |
|----|----------------------|------|--|----------|---------------------------|
| | <input type="text"/> | | FB600-10 Ø1" Bandpass Filter, CWL = 600 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB600-40 Ø1" Bandpass Filter, CWL = 600 ± 8 nm, FWHM = 40 ± 8 nm | \$109.29 | Today |
| | <input type="text"/> | | FB610-10 Ø1" Bandpass Filter, CWL = 610 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB620-10 Ø1" Bandpass Filter, CWL = 620 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB630-10 Ø1" Bandpass Filter, CWL = 630 ± 2 nm, FWHM = 10 ± 2 nm | \$109.29 | Today |
| | <input type="text"/> | | FL05632.8-1 Ø1/2" Laser Line Filter, CWL = 632.8 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$98.75 | Today |
| | <input type="text"/> | | FL632.8-1 Ø1" Laser Line Filter, CWL = 632.8 ± 0.2 nm, FWHM = 1 ± 0.2 nm | \$228.33 | Today |
| | <input type="text"/> | | FL05632.8-3 Ø1/2" Laser Line Filter, CWL = 632.8 ± 0.6 nm, FWHM = 3 ± 0.6 nm | \$75.48 | Today |
| | <input type="text"/> | | FL632.8-3 Ø1" Laser Line Filter, CWL = 632.8 ± 0.6 nm, FWHM = 3 ± 0.6 nm | \$149.33 | Today |
| | <input type="text"/> | | FL05632.8-10 Ø1/2" Laser Line Filter, CWL = 632.8 ± 2 nm, FWHM = 10 ± 2 nm | \$51.14 | Today |
| | <input type="text"/> | | FL632.8-10 Ø1" Laser Line Filter, CWL = 632.8 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FL05635-10 Ø1/2" Laser Line Filter, CWL = 635 ± 2 nm, FWHM = 10 ± 2 nm | \$51.14 | Today |
| | <input type="text"/> | | FL635-10 Ø1" Laser Line Filter, CWL = 635 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB640-10 Ø1" Bandpass Filter, CWL = 640 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FL647.1-10 Ø1" Laser Line Filter, CWL = 647.1 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |
| | <input type="text"/> | | FB650-10 Ø1" Bandpass Filter, CWL = 650 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB650-40 Ø1" Bandpass Filter, CWL = 650 ± 8 nm, FWHM = 40 ± 8 nm | \$109.29 | Today |
| | <input type="text"/> | | FB660-10 Ø1" Bandpass Filter, CWL = 660 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB670-10 Ø1" Bandpass Filter, CWL = 670 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FL670-10 Ø1" Laser Line Filter, CWL = 670 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Lead Time |
| | <input type="text"/> | | FB680-10 Ø1" Bandpass Filter, CWL = 680 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FB690-10 Ø1" Bandpass Filter, CWL = 690 ± 2 nm, FWHM = 10 ± 2 nm | \$93.61 | Today |
| | <input type="text"/> | | FL694.3-10 Ø1" Laser Line Filter, CWL = 694.3 ± 2 nm, FWHM = 10 ± 2 nm | \$101.72 | Today |

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Bandpass Filter Kits

The Bandpass Filter Kits contain ten of our most popular Ø1" mounted filters. The filter housings are labeled with the center wavelength, the Full Width Half Maximum (FWHM) of the bandpass region, lot number, and an arrow denoting the transmission direction. The filters come in a foam-lined storage box to help keep the optics organized and protected from physical damage. The table below contains a list of filters (and specs) included in each of the kits.

| Item # | Filter Included | Center Wavelength | FWHM | T(min) ^a | Transmission/OD Data ^b | Filter Included | Center Wavelength | FWHM | T(min) ^a | Transmission/OD Data ^b |
|------------|-----------------|-------------------|-------------|---------------------|-----------------------------------|-----------------|-------------------|-------------|---------------------|-----------------------------------|
| FKB-VIS-10 | FB350-10 | 350 ± 2 nm | 10 ± 2 nm | 25% | | FB400-10 | 400 ± 2 nm | 10 ± 2 nm | 37% | |
| | FB450-10 | 450 ± 2 nm | 10 ± 2 nm | 45% | | FB500-10 | 500 ± 2 nm | 10 ± 2 nm | 50% | |
| | FB550-10 | 550 ± 2 nm | 10 ± 2 nm | 50% | | FB600-10 | 600 ± 2 nm | 10 ± 2 nm | 50% | |
| | FB650-10 | 650 ± 2 nm | 10 ± 2 nm | 50% | | FB700-10 | 700 ± 2 nm | 10 ± 2 nm | 50% | |
| | FB750-10 | 750 ± 2 nm | 10 ± 2 nm | 50% | | FB800-10 | 800 ± 2 nm | 10 ± 2 nm | 50% | |
| FKB-VIS-40 | FB400-40 | 400 ± 8 nm | 40 ± 8 nm | 45% | | FB450-40 | 450 ± 8 nm | 40 ± 8 nm | 45% | |
| | FB500-40 | 500 ± 8 nm | 40 ± 8 nm | 70% | | FB550-40 | 550 ± 8 nm | 40 ± 8 nm | 70% | |
| | FB600-40 | 600 ± 8 nm | 40 ± 8 nm | 70% | | FB650-40 | 650 ± 8 nm | 40 ± 8 nm | 70% | |
| | FB700-40 | 700 ± 8 nm | 40 ± 8 nm | 70% | | FB750-40 | 750 ± 8 nm | 40 ± 8 nm | 70% | |
| | FB800-40 | 800 ± 8 nm | 40 ± 8 nm | 70% | | FB850-40 | 850 ± 8 nm | 40 ± 8 nm | 70% | |
| FKB-IR-10 | FB850-10 | 850 ± 2 nm | 10 ± 2 nm | 50% | | FB900-10 | 900 ± 2 nm | 10 ± 2 nm | 50% | |
| | FB1000-10 | 1000 ± 2 nm | 10 ± 2 nm | 45% | | FB1100-10 | 1100 ± 2 nm | 10 ± 2 nm | 40% | |
| | FB1200-10 | 1200 ± 2 nm | 10 ± 2 nm | 40% | | FB1300-12 | 1300 ± 2.4 nm | 12 ± 2.4 nm | 40% | |
| | FB1400-12 | 1400 ± 2.4 nm | 12 ± 2.4 nm | 35% | | FB1500-12 | 1500 ± 2.4 nm | 12 ± 2.4 nm | 35% | |
| | FB1550-12 | 1550 ± 2.4 nm | 12 ± 2.4 nm | 50% | | FB1600-12 | 1600 ± 2.4 nm | 12 ± 2.4 nm | 50% | |

a. Minimum Transmission at Center Wavelength

b. Click on for a plot and downloadable data. Measured data accounts for all losses including Fresnel reflections. Please note that transmission is only guaranteed for the specified center wavelength and that the data in the plots is typical. Performance may vary from lot to lot.

Based on your currency / country selection, your order will ship from Newton, New Jersey

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IR Bandpass Filter Kit (10 nm FWHM), Mounted, Set of 10

\$1,000.96

[Lead Time](#)[Add To Cart](#)