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[Products Home](#) / [Optical Elements](#) / [Optical Filters](#) / [Spectral Filters](#) / UV/VIS Bandpass & Laser Line Filters: 340 - 694.3 nm Center Wavelength



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



Transmission Direction Indicator



FB650-40

Related Items



Fast-Change Filter Mount

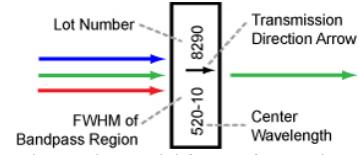
Fast Filter Wheel

Liquid Crystal Tunable Filter

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

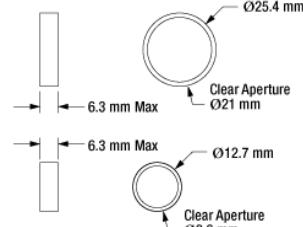
Features

- 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



Click to Enlarge
FL532-1 Filter Mounted in a
TRF90 Flip Mount Using a
Retaining Ring

Please see the [Tutorial](#) tab for more information about the structure of the filter and the transmission direction arrow.



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 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 waveform 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 ^e	Laser Line	Size
FB340-10	340 ± 2 nm	10 ± 2 nm	25%	200 - 3000 nm		N/A	Ø1"
FB350-10	350 ± 2 nm	10 ± 2 nm	25%	200 - 3000 nm		N/A	Ø1"
FL355-10	355 ± 2 nm	10 ± 2 nm	25%	200 - 1150 nm		Nd:YAG	Ø1"
FB360-10	360 ± 2 nm	10 ± 2 nm	25%	200 - 3000 nm		N/A	Ø1"
FB370-10	370 ± 2 nm	10 ± 2 nm	25%	200 - 3000 nm		N/A	Ø1"
FB380-10	380 ± 2 nm	10 ± 2 nm	25%	200 - 3000 nm		N/A	Ø1"
FB390-10	390 ± 2 nm	10 ± 2 nm	30%	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.

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+1 Qty Docs Part Number - Universal

Price

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+1	FB360-10	Ø1" Bandpass Filter, CWL = 360 ± 2 nm, FWHM = 10 ± 2 nm	\$146.08	Today
+1	FB370-10	Ø1" Bandpass Filter, CWL = 370 ± 2 nm, FWHM = 10 ± 2 nm	\$146.08	Today
+1	FB380-10	Ø1" Bandpass Filter, CWL = 380 ± 2 nm, FWHM = 10 ± 2 nm	\$146.08	Today
+1	FB390-10	Ø1" Bandpass Filter, CWL = 390 ± 2 nm, FWHM = 10 ± 2 nm	\$146.08	Today

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

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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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FL05514.5-1	514.5 ± 0.2 nm	1 ± 0.2 nm	45%	200 - 1150 nm		Argon	Ø1"
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

<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
		FB500-10	Ø1" Bandpass Filter, CWL = 500 ± 2 nm, FWHM = 10 ± 2 nm	\$99.56	Today
		FB500-40	Ø1" Bandpass Filter, CWL = 500 ± 8 nm, FWHM = 40 ± 8 nm	\$99.56	Today
		FL508.5-10	Ø1" Laser Line Filter, CWL = 508.5 ± 2 nm, FWHM = 10 ± 2 nm	\$101.72	Today
		FB510-10	Ø1" Bandpass Filter, CWL = 510 ± 2 nm, FWHM = 10 ± 2 nm	\$95.77	Today
		FL05514.5-1	Ø1/2" Laser Line Filter, CWL = 514.5 ± 0.2 nm, FWHM = 1 ± 0.2 nm	\$98.75	Today
		FL514.5-1	Ø1" Laser Line Filter, CWL = 514.5 ± 0.2 nm, FWHM = 1 ± 0.2 nm	\$228.33	Today
		FL514.5-3	Ø1" Laser Line Filter, CWL = 514.5 ± 0.6 nm, FWHM = 3 ± 0.6 nm	\$149.33	Today
		FL514.5-10	Ø1" Laser Line Filter, CWL = 514.5 ± 2 nm, FWHM = 10 ± 2 nm	\$101.72	Today
		FB520-10	Ø1" Bandpass Filter, CWL = 520 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FB530-10	Ø1" Bandpass Filter, CWL = 530 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FL05532-1	Ø1/2" Laser Line Filter, CWL = 532 ± 0.2 nm, FWHM = 1 ± 0.2 nm	\$98.75	Today
		FL532-1	Ø1" Laser Line Filter, CWL = 532 ± 0.2 nm, FWHM = 1 ± 0.2 nm	\$228.33	Today
		FL532-3	Ø1" Laser Line Filter, CWL = 532 ± 0.6 nm, FWHM = 3 ± 0.6 nm	\$149.33	Today
		FL05532-10	Ø1/2" Laser Line Filter, CWL = 532 ± 2 nm, FWHM = 10 ± 2 nm	\$51.14	Today
		FL532-10	Ø1" Laser Line Filter, CWL = 532 ± 2 nm, FWHM = 10 ± 2 nm	\$101.72	5-8 Days
		FB540-10	Ø1" Bandpass Filter, CWL = 540 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FL543.5-10	Ø1" Laser Line Filter, CWL = 543.5 ± 2 nm, FWHM = 10 ± 2 nm	\$101.72	Today
		FB550-10	Ø1" Bandpass Filter, CWL = 550 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FB550-40	Ø1" Bandpass Filter, CWL = 550 ± 8 nm, FWHM = 40 ± 8 nm	\$109.29	Today
		FB560-10	Ø1" Bandpass Filter, CWL = 560 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FB570-10	Ø1" Bandpass Filter, CWL = 570 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		FB580-10	Ø1" Bandpass Filter, CWL = 580 ± 2 nm, FWHM = 10 ± 2 nm	\$93.61	Today
		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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Product ID	Center Wavelength	FWHM	Transmission (%)	Bandwidth Range	Trans. Direction	Material	Wavelength Range
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

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

The screenshot shows a product page for the FKB-IR-10 filter kit. At the top, the Thorlabs logo is displayed with a red 'T' and 'L' and a grey 'HORLABS'. Below the logo, there are navigation links: Products (with a dropdown arrow), Rapid Order, Services (with a dropdown arrow), Company (with a dropdown arrow), and Contact Us. To the right of these are icons for user profile, shopping cart, and search. The main content area shows a product card for the FKB-IR-10. It includes a small thumbnail image, the product name "FKB-IR-10", a description "IR Bandpass Filter Kit (10 nm FWHM), Mounted, Set of 10", a price "\$1,000.96", and a link "Lead Time". Below the product card is a button labeled "Add To Cart".