



Semi-Custom Bandpass Filters



Thanks to a large inventory of components, Andover Corporation can fabricate and deliver higher-performance commercial quality bandpass filters to your specifications within four to five weeks from receipt of order. To specify your semi-custom filter, all you have to do is follow three quick steps.

1. Select the desired bandwidth, filter type, and center wavelength from the range listed.
2. Select the blocking range.
3. Select the size and corresponding part number.

All other features are predetermined by these three choices. The out-of-band blocking of these filters is 10^{-4} within the defined spectral range. Image quality versions are available, please call for pricing and delivery.

- Wavelengths from the ultraviolet through infrared
- Bandwidths from 0.15 nm to 80 nm
- Delivery within 10 days of order

Select
1.

Select
2.

Select
3.

Bandwidth (FWHM) (nm)	Cavities/ Filter Type	CW/L Range (nm)	CW/L Tolerance (%)	Min. T (%) When Blocked to		N*	Size, Shape & Part Number		
				1 μ m	FIR		12.5 mm \emptyset ○	25 mm \emptyset ○	50 mm \emptyset ○
0.15 \pm 0.05	1/1	450.0–550.0	+0.1/-0	40	30	1.45	001FC10-12.5	001FC10-25	001FC10-50
	1/1	550.1–750.0	+0.1/-0	45	40	1.45	001FC12-12.5	001FC12-25	001FC12-50
0.20 \pm 0.05	1/1	450.0–550.0	+0.1/-0	45	35	1.45	002FC10-12.5	002FC10-25	002FC10-50
	1/1	550.1–750.0	+0.1/-0	45	35	2.05	002FC12-12.5	002FC12-25	002FC12-50
0.30 \pm 0.10	2/2	450.0–550.0	+0.1/-0	35	25	1.45	003FC10-12.5	003FC10-25	003FC10-50
	2/2	550.1–750.0	+0.1/-0	40	35	2.05	003FC12-12.5	003FC12-25	003FC12-50
0.30 to 0.40	3/3	550.0–750.0	+0.1/-0	35	35	2.05	004FC12-12.5	004FC12-25	004FC12-50
0.50 \pm 0.10	2/2	450.0–550.0	+0.1/-0	40	30	1.45	005FC10-12.5	005FC10-25	005FC10-50
	2/2	550.1–750.0	+0.1/-0	45	35	2.05	005FC12-12.5	005FC12-25	005FC12-50
0.60 \pm 0.10	2/2	430.0–480.0	\pm 0.1	40	35	1.45	006FC08-12.5	006FC08-25	006FC08-50
	2/2	480.1–550.0	\pm 0.1	45	35	2.05	006FC10-12.5	006FC10-25	006FC10-50
	2/2	550.1–750.0	\pm 0.1	45	25	2.05	006FC12-12.5	006FC12-25	006FC12-50
0.50 to 0.80	3/3	480.0–550.0	\pm 0.1	40	30	2.05	007FC10-12.5	007FC10-25	007FC10-50
	3/3	550.1–750.0	\pm 0.1	45	35	2.05	007FC12-12.5	007FC12-25	007FC12-50
	3/3	750.1–950.0	\pm 0.1	45	35	2.05	007FC14-12.5	007FC14-25	007FC14-50
0.80 \pm 0.20	2/2	430.0–480.0	+0.2/-0	45	40	1.45	008FC08-12.5	008FC08-25	008FC08-50
	2/2	480.1–550.0	+0.2/-0	45	40	2.05	008FC10-12.5	008FC10-25	008FC10-50
	2/2	550.1–750.0	+0.2/-0	50	45	2.05	008FC12-12.5	008FC12-25	008FC12-50
	2/2	750.1–950.0	+0.2/-0	50	45	2.05	008FC14-12.5	008FC14-25	008FC14-50
	2/2	950.1–1100.0	+0.2/-0	50	40	2.05	008FC16-12.5	008FC16-25	008FC16-50

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Bandwidth (FWHM) (nm)	Cavities/ Filter Type	CW/L Range (nm)	CW/L Tolerance (%)	Min. T (%) When Blocked to		N*	Size, Shape & Part Number		
				1 μ m	FIR		12.5 mm \emptyset ○	25 mm \emptyset ○	50 mm \emptyset ○
1.0 \pm 0.2	2/2	340.0–400.0	+0.2/-0	-	10	1.45	010FC04-12.5	010FC04-25	010FC04-50
	2/2	400.1–430.0	+0.2/-0	25	20	1.45	010FC06-12.5	010FC06-25	010FC06-50
	2/2	430.1–480.0	+0.2/-0	40	35	1.45	010FC08-12.5	010FC08-25	010FC08-50
	2/2	480.1–550.0	+0.2/-0	50	40	1.45	010FC10-12.5	010FC10-25	010FC10-50
	2/2	550.1–750.0	+0.2/-0	55	45	2.05	010FC12-12.5	010FC12-25	010FC12-50
	2/2	750.1–950.0	+0.2/-0	55	45	2.05	010FC14-12.5	010FC14-25	010FC14-50
	2/2	950.1–1100.0	+0.2/-0	55	40	2.05	010FC16-12.5	010FC16-25	010FC16-50
1.0 \pm 0.2	3/3	480.0–550.0	+0.2/-0	50	35	1.45	010FC35-12.5	010FC35-25	010FC35-50
	3/3	550.1–750.0	+0.2/-0	55	40	2.05	010FC36-12.5	010FC36-25	010FC36-50
	3/3	750.1–950.0	+0.2/-0	55	40	2.05	010FC37-12.5	010FC37-25	010FC37-50
	3/3	950.1–1100.0	+0.2/-0	50	35	2.05	010FC38-12.5	010FC38-25	010FC38-50
1.5 \pm 0.3	2/2	250.0–320.0	+0.3/-0	-	6	1.45	015FC02-12.5	015FC02-25	015FC02-50
	2/2	320.1–400.0	+0.3/-0	-	10	1.45	015FC04-12.5	015FC04-25	015FC04-50
	2/2	400.1–430.0	+0.3/-0	25	20	1.45	015FC06-12.5	015FC06-25	015FC06-50
	2/2	430.1–480.0	+0.3/-0	40	30	1.45	015FC08-12.5	015FC08-25	015FC08-50
	2/2	480.1–550.0	+0.3/-0	55	50	2.05	015FC10-12.5	015FC10-25	015FC10-50
	2/2	550.1–750.0	+0.3/-0	55	50	2.05	015FC12-12.5	015FC12-25	015FC12-50
	2/2	750.1–950.0	+0.3/-0	55	50	2.05	015FC14-12.5	015FC14-25	015FC14-50
	2/2	950.1–1100.0	+0.3/-0	65	50	2.05	015FC16-12.5	015FC16-25	015FC16-50
2.0 \pm 0.5	2/2	240.0–320.0	+0.5/-0	-	6	1.45	020FC02-12.5	020FC02-25	020FC02-50
	2/2	320.1–400.0	+0.5/-0	-	10	1.45	020FC04-12.5	020FC04-25	020FC04-50
	2/2	400.1–430.0	+0.4/-0	40	35	1.45	020FC06-12.5	020FC06-25	020FC06-50
	2/2	430.1–480.0	+0.4/-0	50	45	1.45	020FC08-12.5	020FC08-25	020FC08-50
	2/2	480.1–550.0	+0.4/-0	55	50	2.05	020FC10-12.5	020FC10-25	020FC10-50
	2/2	550.1–750.0	+0.4/-0	55	50	2.05	020FC12-12.5	020FC12-25	020FC12-50
	2/2	750.1–950.0	+0.4/-0	65	50	2.05	020FC14-12.5	020FC14-25	020FC14-50
	2/2	950.1–1100.0	+0.4/-0	55	45	2.05	020FC16-12.5	020FC16-25	020FC16-50
2.0 \pm 0.5	3/3	430.0–480.0	+0.4/-0	50	40	1.45	020FC34-12.5	020FC34-25	020FC34-50
	3/3	480.1–550.0	+0.4/-0	55	45	2.05	020FC35-12.5	020FC35-25	020FC35-50
	3/3	550.1–750.0	+0.4/-0	55	45	2.05	020FC36-12.5	020FC36-25	020FC36-50
	3/3	750.1–950.0	+0.4/-0	60	50	2.05	020FC37-12.5	020FC37-25	020FC37-50
	3/3	950.1–1100.0	+0.4/-0	65	45	2.05	020FC38-12.5	020FC38-25	020FC38-50
3.0 \pm 0.5	2/2	240.0–320.0	+0.5/-0	-	8	1.45	030FC02-12.5	030FC02-25	030FC02-50
	2/2	320.1–400.0	+0.5/-0	-	10	1.45	030FC04-12.5	030FC04-25	030FC04-50
	2/2	400.1–430.0	+0.5/-0	40	25	1.45	030FC06-12.5	030FC06-25	030FC06-50
	2/2	430.1–480.0	+0.5/-0	45	35	1.45	030FC08-12.5	030FC08-25	030FC08-50
	2/2	480.1–550.0	+0.5/-0	55	50	2.05	030FC10-12.5	030FC10-25	030FC10-50
	2/2	550.1–750.0	+0.5/-0	55	50	2.05	030FC12-12.5	030FC12-25	030FC12-50
	2/2	750.1–950.0	+0.5/-0	55	50	2.05	030FC14-12.5	030FC14-25	030FC14-50
	2/2	950.1–1100.0	+0.5/-0	65	50	2.05	030FC16-12.5	030FC16-25	030FC16-50



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Bandwidth (FWHM) (nm)	Cavities/ Filter Type	CW/L Range (nm)	CW/L Tolerance (%)	Min. T (%) When Blocked to		N*	Size, Shape & Part Number		
				1 µm	FIR		12.5 mm Ø ○	25 mm Ø ○	50 mm Ø ○
3.0 ± 0.5	3/3	430.0–480.0	+0.5/-0	50	40	1.45	030FC34-12.5	030FC34-25	030FC34-50
	3/3	480.1–550.0	+0.5/-0	55	45	2.05	030FC35-12.5	030FC35-25	030FC35-50
	3/3	550.1–750.0	+0.5/-0	55	45	2.05	030FC36-12.5	030FC36-25	030FC36-50
	3/3	750.1–950.0	+0.5/-0	60	50	2.05	030FC37-12.5	030FC37-25	030FC37-50
	3/3	950.1–1100.0	+0.5/-0	55	45	2.05	030FC38-12.5	030FC38-25	030FC38-50
5.0 ± 1.0	2/2	240.0–320.0	+1/-0	-	8	1.45	050FC02-12.5	050FC02-25	050FC02-50
	2/2	320.1–400.0	+1/-0	-	25	1.45	050FC04-12.5	050FC04-25	050FC04-50
	2/2	400.1–480.0	+1/-0	45	35	1.45	050FC06-12.5	050FC06-25	050FC06-50
	2/2	480.1–550.0	+1/-0	55	50	2.05	050FC10-12.5	050FC10-25	050FC10-50
	2/2	550.1–750.0	+1/-0	55	50	2.05	050FC12-12.5	050FC12-25	050FC12-50
	2/2	750.1–950.0	+1/-0	60 ^a	45	2.05	050FC14-12.5	050FC14-25	050FC14-50
	2/2	950.1–1100.0	+1/-0	65 ^b	45	2.05	050FC16-12.5	050FC16-25	050FC16-50
	2/2	1100.1–1300.0	+1/-0	55 ^c	40	2.05	050FC18-12.5	050FC18-25	050FC18-50
	2/2	1300.1–1550.0	+1/-0	50 ^c	35	2.05	050FC19-12.5	050FC19-25	050FC19-50
	2/2	1550.1–2000.0	+1/-0	50 ^c	-	2.05	050FC20-12.5	050FC20-25	050FC20-50
5.0 ± 1.0	3/3	400.0–430.0	+1/-0	45	40	1.45	050FC33-12.5	050FC33-25	050FC33-50
	3/3	430.1–460.0	+1/-0	55	40	1.45	050FC34-12.5	050FC34-25	050FC34-50
	3/3	460.1–550.0	+1/-0	55	45	2.05	050FC35-12.5	050FC35-25	050FC35-50
	3/3	550.1–750.0	+1/-0	55	45	2.05	050FC36-12.5	050FC36-25	050FC36-50
	3/3	750.1–950.0	+1/-0	60	45	2.05	050FC37-12.5	050FC37-25	050FC37-50
	3/3	950.1–1100.0	+1/-0	55 ^b	40	2.05	050FC38-12.5	050FC38-25	050FC38-50
	3/3	1100.1–1300.0	+1/-0	50 ^c	35	2.05	050FC39-12.5	050FC39-25	050FC39-50
5.0 ± 1.0	4/4	460.0–550.0	+1/-0	60	50	2.05	050FC45-12.5	050FC45-25	050FC45-50
	4/4	550.1–750.0	+1/-0	60	50	2.05	050FC46-12.5	050FC46-25	050FC46-50
	4/4	750.1–950.0	+1/-0	55	45	2.05	050FC47-12.5	050FC47-25	050FC47-50
	4/4	950.1–1100.0	+1/-0	55	40	2.05	050FC48-12.5	050FC48-25	050FC48-50
10.0 ± 2.0	MDM/7	214.0–250.0	+2/-0	-	12	--	100FC00-12.5	100FC00-25	100FC00-50
	MDM/7	250.1–320.0	+2/-0	-	15	--	100FC02-12.5	100FC02-25	100FC02-50
	3/3	320.1–400.0	+2/-0	-	25	--	100FC32-12.5	100FC32-25	100FC32-50
	3/3	400.1–430.0	+2/-0	50	40	1.45	100FC33-12.5	100FC33-25	100FC33-50
	3/3	430.1–480.0	+2/-0	60	50	1.45	100FC34-12.5	100FC34-25	100FC34-50
	3/3	480.1–550.0	+2/-0	70	55	2.05	100FC35-12.5	100FC35-25	100FC35-50
	3/3	550.1–750.0	+2/-0	70	55	2.05	100FC36-12.5	100FC36-25	100FC36-50
	3/3	750.1–950.0	+2/-0	70 ^a	45	2.05	100FC37-12.5	100FC37-25	100FC37-50
	3/3	950.1–1100.0	+2/-0	70 ^b	45	2.05	100FC38-12.5	100FC38-25	100FC38-50
	3/3	1100.1–1300.0	+2/-0	70 ^c	35	2.05	100FC39-12.5	100FC39-25	100FC39-50
	2/2	1300.1–1550.0	+2/-0	70 ^d	35	2.05	100FC40-12.5	100FC40-25	100FC40-50
	2/2	1550.1–2400.0	+2/-0	70 ^e	-	2.05	100FC41-12.5	100FC41-25	100FC41-50

a = Blocking to 1200 nm b = Blocking to 1300 nm c = Blocking to 1550 nm d = Blocking to 2400 nm e = Blocking to 3200 nm

Semi-Custom Bandpass Filters

Bandwidth (FWHM) (nm)	Cavities/ Filter Type	CW/L Range (nm)	CW/L Tolerance (%)	Min. T (%) When Blocked to		N*	Size, Shape & Part Number		
				1 μ m	FIR		12.5 mm \emptyset ○	25 mm \emptyset ○	50 mm \emptyset ○
10.0 \pm 2.0	4/4	460.0–550.0	+2/-0	60	45	2.05	100FC45-12.5	100FC45-25	100FC45-50
	4/4	550.1–750.0	+2/-0	60	45	2.05	100FC46-12.5	100FC46-25	100FC46-50
	4/4	750.1–950.0	+2/-0	70 ^a	50	2.05	100FC47-12.5	100FC47-25	100FC47-50
	4/4	950.1–1100.0	+2/-0	70 ^b	45	2.05	100FC48-12.5	100FC48-25	100FC48-50
	4/4	1100.1–1300.0	+2/-0	70 ^c	30	2.05	100FC49-12.5	100FC49-25	100FC49-50
20.0 \pm 4.0	MDM/8	214.0–250.0	\pm 2.5	-	12	--	200FC00-12.5	200FC00-25	200FC00-50
	MDM/8	250.1–320.0	\pm 2.5	-	15	--	200FC02-12.5	200FC02-25	200FC02-50
	5/5	320.1–400.0	\pm 2.5	-	30	1.45	200FC32-12.5	200FC32-25	200FC32-50
20.0 \pm 4.0	3/3	400.1–480.0	\pm 2.0	50	45	1.45	200FC33-12.5	200FC33-25	200FC33-50
	3/3	480.1–550.0	\pm 2.0	65	50	1.45	200FC35-12.5	200FC35-25	200FC35-50
	3/3	550.1–750.0	\pm 2.0	70	50	1.45	200FC36-12.5	200FC36-25	200FC36-50
	3/3	750.1–950.0	\pm 2.0	70 ^a	50	2.05	200FC37-12.5	200FC37-25	200FC37-50
	3/3	950.1–1100.0	\pm 2.0	70 ^b	50	2.05	200FC38-12.5	200FC38-25	200FC38-50
	3/3	1100.1–1300.0	\pm 2.0	70 ^c	30	2.05	200FC39-12.5	200FC39-25	200FC39-50
	3/3	1300.1–1550.0	\pm 2.0	70 ^d	30	2.05	200FC40-12.5	200FC40-25	200FC40-50
	2/2	1550.1–2400.0	\pm 2.0	70 ^e	-	2.05	200FC41-12.5	200FC41-25	200FC41-50
20.0 \pm 4.0	4/4	480.0–550.0	\pm 2.0	65	45	1.45	200FC45-12.5	200FC45-25	200FC45-50
	4/4	550.1–750.0	\pm 2.0	70	50	1.45	200FC46-12.5	200FC46-25	200FC46-50
	4/4	750.1–950.0	\pm 2.0	70 ^a	50	2.05	200FC47-12.5	200FC47-25	200FC47-50
	4/4	950.1–1100.0	\pm 2.0	70 ^b	40	2.05	200FC48-12.5	200FC48-25	200FC48-50
40.0 \pm 10.0	MDM/8	230.0–250.0	\pm 5.0	-	15	--	400FC00-12.5	400FC00-25	400FC00-50
	MDM/8	250.1–320.0	\pm 5.0	-	20	--	400FC02-12.5	400FC02-25	400FC02-50
	5/5	320.1–399.9	\pm 5.0	-	30	1.45	400FC52-12.5	400FC52-25	400FC52-50
50.0 \pm 10.0	5/5	400.0–460.0	\pm 5.0	60	45	1.45	500FC53-12.5	500FC53-25	500FC53-50
	5/5	460.1–520.1	\pm 5.0	70	50	1.45	500FC54-12.5	500FC54-25	500FC54-50
	4/4	520.1–750.1	\pm 5.0	70	50	2.05	500FC46-12.5	500FC46-25	500FC46-50
	4/4	750.1–900.0	\pm 5.0	75 ^a	50	2.05	500FC47-12.5	500FC47-25	500FC47-50
	3/3	900.1–1100.0	\pm 5.0	75 ^b	45	2.05	500FC38-12.5	500FC38-25	500FC38-50
	3/3	1100.1–1300.0	\pm 5.0	70 ^c	35	2.05	500FC39-12.5	500FC39-25	500FC39-50
	3/3	1300.1–1550.0	\pm 5.0	70 ^d	30	2.05	500FC40-12.5	500FC40-25	500FC40-50
	3/3	1550.1–2400.0	\pm 5.0	70 ^e	-	2.05	500FC41-12.5	500FC41-25	500FC41-50
60.0 \pm 10.0	5/5	340.0–399.0	\pm 6.0	-	30	1.45	600FC52-12.5	600FC52-25	600FC52-50
80.0 \pm 20.0	5/5	460.0–750.0	\pm 10.0	75	-	1.45	800FC55-12.5	800FC55-25	800FC55-50
	4/4	750.1–900.0	\pm 10.0	75 ^a	-	1.45	800FC47-12.5	800FC47-25	800FC47-50
	4/4	900.1–1100.0	\pm 10.0	70 ^b	-	2.05	800FC48-12.5	800FC48-25	800FC48-50
	4/4	1100.1–1300.0	\pm 10.0	70 ^c	-	2.05	800FC49-12.5	800FC49-25	800FC49-50
	4/4	1300.1–1550.0	\pm 10.0	70 ^d	-	2.05	800FC50-12.5	800FC50-25	800FC50-50
	4/4	1550.1–2400.0	\pm 10.0	70 ^e	-	2.05	800FC51-12.5	800FC51-25	800FC51-50

a= Blocking to 1200nm b= Blocking to 1300nm c= Blocking to 1550nm d= Blocking to 2400nm e= Blocking to 3200nm