

Typical Measured Spectrum of Semrock FF593-Di03 Optical Filter

For wavelengths between 320 and 1120 nm, values near or below $3e-7$ (Optical Density 6.5) are measurement noise limited.

For wavelengths < 320 nm and > 1120 nm, values near or below $3e-6$ (Optical Density 5.5) are measurement noise limited.

Data format: Wavelength (nm) <tab> Transmission (0 to 1)

340.0	0.31288
340.2	0.27984
340.4	0.2375
340.6	0.19188
340.8	0.14473
341.0	0.10474
341.2	0.07419
341.4	0.0533
341.6	0.04015
341.8	0.03252
342.0	0.02872
342.2	0.02723
342.4	0.02908
342.6	0.03211
342.8	0.03604
343.0	0.03858
343.2	0.03925
343.4	0.03755
343.6	0.03357
343.8	0.02805
344.0	0.02115
344.2	0.01511
344.4	0.01045
344.6	0.00783
344.8	0.00652
345.0	0.00579
345.2	0.00536
345.4	0.00502
345.6	0.00497
345.8	0.00483
346.0	0.00467
346.2	0.00486
346.4	0.0052
346.6	0.00599
346.8	0.00696
347.0	0.00813
347.2	0.0089
347.4	0.00935
347.6	0.00924
347.8	0.00881
348.0	0.00789
348.2	0.0066
348.4	0.00532
348.6	0.00449
348.8	0.004
349.0	0.00372
349.2	0.00361

349.4 0.00399
349.6 0.005
349.8 0.00676
350.0 0.00865
350.2 0.00998
350.4 0.0106
350.6 0.0109
350.8 0.01032
351.0 0.00896
351.2 0.0069
351.4 0.00487
351.6 0.00362
351.8 0.00332
352.0 0.00337
352.2 0.00363
352.4 0.00374
352.6 0.00361
352.8 0.00345
353.0 0.00303
353.2 0.0024
353.4 0.00164
353.6 0.00101
353.8 5.9589e-04
354.0 3.8693e-04
354.2 1.9906e-04
354.4 1.1773e-04
354.6 7.7628e-05
354.8 3.2228e-05
355.0 3.1786e-05
355.2 3.1435e-05
355.4 3.1202e-05
355.6 3.0932e-05
355.8 3.1009e-05
356.0 3.1013e-05
356.2 3.1143e-05
356.4 3.1231e-05
356.6 3.1429e-05
356.8 3.1522e-05
357.0 3.1745e-05
357.2 3.1934e-05
357.4 3.2185e-05
357.6 3.2489e-05
357.8 3.2831e-05
358.0 3.3223e-05
358.2 3.3658e-05
358.4 3.4106e-05
358.6 3.4522e-05
358.8 3.4986e-05
359.0 3.5315e-05
359.2 3.5547e-05
359.4 3.5603e-05
359.6 3.555e-05
359.8 3.5416e-05
360.0 6.9997e-05

360.2 5.4407e-04
360.4 0.00104
360.6 0.00142
360.8 0.00164
361.0 0.00178
361.2 0.0017
361.4 0.00151
361.6 0.00115
361.8 6.0498e-04
362.0 5.7799e-05
362.2 4.0053e-05
362.4 4.2113e-05
362.6 4.4519e-05
362.8 4.6867e-05
363.0 4.9184e-05
363.2 5.1103e-05
363.4 5.278e-05
363.6 5.3972e-05
363.8 5.4784e-05
364.0 5.5032e-05
364.2 5.483e-05
364.4 5.4262e-05
364.6 5.3443e-05
364.8 5.2348e-05
365.0 5.1936e-05
365.2 5.2497e-05
365.4 5.2541e-05
365.6 5.2957e-05
365.8 5.3335e-05
366.0 5.3533e-05
366.2 1.9707e-04
366.4 4.5132e-04
366.6 0.00103
366.8 0.00261
367.0 0.00474
367.2 0.00707
367.4 0.00888
367.6 0.01037
367.8 0.01136
368.0 0.01177
368.2 0.01163
368.4 0.01069
368.6 0.00921
368.8 0.00736
369.0 0.00625
369.2 0.00594
369.4 0.00591
369.6 0.00586
369.8 0.00583
370.0 0.00565
370.2 0.00519
370.4 0.0045
370.6 0.00375
370.8 0.00298

371.0	0.00254
371.2	0.00208
371.4	0.00193
371.6	0.00192
371.8	0.00198
372.0	0.00224
372.2	0.0027
372.4	0.00318
372.6	0.00375
372.8	0.00443
373.0	0.00484
373.2	0.00511
373.4	0.00501
373.6	0.00487
373.8	0.00452
374.0	0.00404
374.2	0.00348
374.4	0.003
374.6	0.00271
374.8	0.00257
375.0	0.00264
375.2	0.00299
375.4	0.00346
375.6	0.00398
375.8	0.00448
376.0	0.00486
376.2	0.00504
376.4	0.00492
376.6	0.00468
376.8	0.00428
377.0	0.00361
377.2	0.00295
377.4	0.00224
377.6	0.00161
377.8	0.00125
378.0	0.00102
378.2	8.2188e-04
378.4	7.5369e-04
378.6	7.6735e-04
378.8	7.3146e-04
379.0	9.7333e-04
379.2	0.00107
379.4	0.00112
379.6	0.00134
379.8	0.00161
380.0	0.00173
380.2	0.00174
380.4	0.00175
380.6	0.00162
380.8	0.0015
381.0	0.00139
381.2	0.0011
381.4	8.8781e-04
381.6	7.2242e-04

381.8	6.2898e-04
382.0	5.6889e-04
382.2	5.4388e-04
382.4	7.3171e-04
382.6	8.796e-04
382.8	0.00112
383.0	0.00136
383.2	0.00142
383.4	0.00175
383.6	0.00179
383.8	0.00194
384.0	0.00213
384.2	0.00218
384.4	0.00225
384.6	0.00221
384.8	0.00234
385.0	0.00225
385.2	0.00233
385.4	0.00223
385.6	0.00221
385.8	0.00201
386.0	0.00185
386.2	0.0017
386.4	0.00163
386.6	0.0015
386.8	0.00159
387.0	0.00175
387.2	0.00194
387.4	0.00245
387.6	0.00341
387.8	0.00488
388.0	0.00669
388.2	0.00894
388.4	0.01112
388.6	0.01271
388.8	0.01384
389.0	0.01446
389.2	0.01436
389.4	0.01352
389.6	0.01206
389.8	0.01039
390.0	0.00861
390.2	0.00741
390.4	0.00671
390.6	0.00658
390.8	0.00678
391.0	0.00716
391.2	0.00762
391.4	0.00784
391.6	0.00787
391.8	0.00767
392.0	0.00839
392.2	0.00795
392.4	0.00695

392.6	0.00605
392.8	0.00526
393.0	0.00426
393.2	0.0033
393.4	0.00268
393.6	0.00229
393.8	0.00202
394.0	0.00186
394.2	0.0017
394.4	0.00174
394.6	0.00179
394.8	0.00193
395.0	0.00207
395.2	0.00217
395.4	0.00241
395.6	0.00273
395.8	0.00301
396.0	0.00301
396.2	0.00311
396.4	0.00299
396.6	0.00281
396.8	0.00267
397.0	0.00243
397.2	0.00213
397.4	0.00191
397.6	0.00157
397.8	0.00147
398.0	0.00137
398.2	0.00133
398.4	0.00134
398.6	0.00124
398.8	0.00126
399.0	0.00139
399.2	0.00155
399.4	0.00165
399.6	0.00168
399.8	0.00172
400.0	0.00174
400.2	0.00186
400.4	0.00161
400.6	0.00147
400.8	0.00136
401.0	0.00108
401.2	8.6818e-04
401.4	7.8244e-04
401.6	8.0081e-04
401.8	5.9587e-04
402.0	5.0912e-04
402.2	4.4615e-04
402.4	3.6242e-04
402.6	4.1044e-04
402.8	3.9307e-04
403.0	3.2432e-04
403.2	2.9035e-04

403.4 3.4477e-04
403.6 3.7046e-04
403.8 4.0567e-04
404.0 4.1147e-04
404.2 4.4717e-04
404.4 4.1695e-04
404.6 4.4678e-04
404.8 4.4608e-04
405.0 5.6595e-04
405.2 5.3671e-04
405.4 5.6625e-04
405.6 5.1727e-04
405.8 5.8518e-04
406.0 5.8396e-04
406.2 5.4308e-04
406.4 5.3304e-04
406.6 4.8401e-04
406.8 5.3326e-04
407.0 4.3844e-04
407.2 4.6948e-04
407.4 3.6549e-04
407.6 3.9999e-04
407.8 3.5779e-04
408.0 3.3586e-04
408.2 3.73e-04
408.4 3.3385e-04
408.6 4.0873e-04
408.8 2.0008e-04
409.0 2.9786e-04
409.2 4.0097e-04
409.4 2.4738e-04
409.6 2.5443e-04
409.8 2.6597e-04
410.0 2.7084e-04
410.2 3.0483e-04
410.4 3.9335e-04
410.6 4.02e-04
410.8 3.873e-04
411.0 4.4378e-04
411.2 4.3081e-04
411.4 5.3479e-04
411.6 5.635e-04
411.8 5.6732e-04
412.0 5.8221e-04
412.2 5.9465e-04
412.4 6.335e-04
412.6 6.9229e-04
412.8 6.8692e-04
413.0 6.7781e-04
413.2 7.1317e-04
413.4 6.686e-04
413.6 6.8272e-04
413.8 6.7855e-04
414.0 6.6307e-04

414.2	6.1336e-04
414.4	6.3363e-04
414.6	6.4783e-04
414.8	7.1931e-04
415.0	7.3917e-04
415.2	7.9446e-04
415.4	8.0855e-04
415.6	9.8912e-04
415.8	0.00108
416.0	0.00118
416.2	0.00146
416.4	0.0016
416.6	0.00189
416.8	0.00212
417.0	0.00239
417.2	0.0027
417.4	0.00289
417.6	0.00309
417.8	0.00333
418.0	0.00335
418.2	0.00346
418.4	0.0034
418.6	0.0035
418.8	0.00336
419.0	0.00339
419.2	0.00343
419.4	0.0035
419.6	0.00353
419.8	0.00377
420.0	0.00414
420.2	0.00454
420.4	0.00509
420.6	0.00591
420.8	0.00677
421.0	0.00773
421.2	0.00884
421.4	0.0098
421.6	0.0108
421.8	0.01152
422.0	0.01214
422.2	0.0125
422.4	0.01252
422.6	0.01235
422.8	0.01203
423.0	0.01142
423.2	0.01087
423.4	0.0103
423.6	0.00975
423.8	0.00935
424.0	0.00896
424.2	0.00869
424.4	0.00845
424.6	0.00848
424.8	0.00845

425.0	0.00841
425.2	0.00858
425.4	0.00875
425.6	0.00878
425.8	0.00902
426.0	0.00907
426.2	0.00918
426.4	0.00933
426.6	0.00936
426.8	0.00948
427.0	0.0095
427.2	0.00956
427.4	0.0096
427.6	0.00969
427.8	0.00951
428.0	0.00938
428.2	0.0091
428.4	0.0088
428.6	0.00834
428.8	0.00781
429.0	0.00716
429.2	0.00648
429.4	0.00578
429.6	0.00516
429.8	0.00429
430.0	0.00374
430.2	0.00319
430.4	0.00262
430.6	0.00226
430.8	0.00195
431.0	0.0017
431.2	0.0014
431.4	0.00123
431.6	0.00116
431.8	9.8593e-04
432.0	9.0765e-04
432.2	8.8106e-04
432.4	8.1266e-04
432.6	7.436e-04
432.8	7.0662e-04
433.0	7.4694e-04
433.2	7.1717e-04
433.4	6.76e-04
433.6	6.6658e-04
433.8	6.3264e-04
434.0	6.6636e-04
434.2	7.215e-04
434.4	7.6669e-04
434.6	7.9096e-04
434.8	8.964e-04
435.0	9.1724e-04
435.2	9.9194e-04
435.4	0.00113
435.6	0.00121

435.8	0.00133
436.0	0.00145
436.2	0.00156
436.4	0.00163
436.6	0.00176
436.8	0.00191
437.0	0.00202
437.2	0.00216
437.4	0.00227
437.6	0.00241
437.8	0.00254
438.0	0.00275
438.2	0.00287
438.4	0.00299
438.6	0.00307
438.8	0.00322
439.0	0.00338
439.2	0.00345
439.4	0.00364
439.6	0.00378
439.8	0.0039
440.0	0.00406
440.2	0.00423
440.4	0.00431
440.6	0.00444
440.8	0.00462
441.0	0.00467
441.2	0.00465
441.4	0.00481
441.6	0.00471
441.8	0.00483
442.0	0.00484
442.2	0.00499
442.4	0.00504
442.6	0.00503
442.8	0.00519
443.0	0.00518
443.2	0.00522
443.4	0.00515
443.6	0.00508
443.8	0.0051
444.0	0.00503
444.2	0.00507
444.4	0.00494
444.6	0.00493
444.8	0.00497
445.0	0.00503
445.2	0.00513
445.4	0.0052
445.6	0.00541
445.8	0.00559
446.0	0.00594
446.2	0.00625
446.4	0.00669

446.6	0.00728
446.8	0.00783
447.0	0.00844
447.2	0.00908
447.4	0.00973
447.6	0.01023
447.8	0.01084
448.0	0.01124
448.2	0.0114
448.4	0.01158
448.6	0.01164
448.8	0.01142
449.0	0.01108
449.2	0.01066
449.4	0.01015
449.6	0.00953
449.8	0.00902
450.0	0.00851
450.2	0.00796
450.4	0.00747
450.6	0.00711
450.8	0.00679
451.0	0.0065
451.2	0.00641
451.4	0.00627
451.6	0.0062
451.8	0.00621
452.0	0.00627
452.2	0.00645
452.4	0.00662
452.6	0.00696
452.8	0.00721
453.0	0.00757
453.2	0.00813
453.4	0.00866
453.6	0.00925
453.8	0.00995
454.0	0.01073
454.2	0.01146
454.4	0.01227
454.6	0.01307
454.8	0.01384
455.0	0.0147
455.2	0.01534
455.4	0.01593
455.6	0.0164
455.8	0.01664
456.0	0.01683
456.2	0.01681
456.4	0.01667
456.6	0.01649
456.8	0.01618
457.0	0.0157
457.2	0.01535

457.4 0.01489
457.6 0.01432
457.8 0.01391
458.0 0.01342
458.2 0.013
458.4 0.01271
458.6 0.01233
458.8 0.01203
459.0 0.01175
459.2 0.01151
459.4 0.01132
459.6 0.01118
459.8 0.01112
460.0 0.01106
460.2 0.01104
460.4 0.011
460.6 0.01105
460.8 0.01107
461.0 0.01109
461.2 0.01125
461.4 0.01139
461.6 0.01169
461.8 0.0119
462.0 0.01218
462.2 0.0125
462.4 0.01281
462.6 0.01321
462.8 0.01348
463.0 0.01392
463.2 0.01436
463.4 0.01471
463.6 0.01512
463.8 0.01549
464.0 0.01585
464.2 0.01599
464.4 0.01628
464.6 0.01636
464.8 0.01639
465.0 0.01644
465.2 0.0163
465.4 0.01604
465.6 0.01572
465.8 0.01543
466.0 0.015
466.2 0.0146
466.4 0.01426
466.6 0.01372
466.8 0.01318
467.0 0.01283
467.2 0.01246
467.4 0.01192
467.6 0.0115
467.8 0.01109
468.0 0.01089

468.2	0.01076
468.4	0.01039
468.6	0.01022
468.8	0.01001
469.0	0.0099
469.2	0.00979
469.4	0.00978
469.6	0.00979
469.8	0.00981
470.0	0.00984
470.2	0.00994
470.4	0.01009
470.6	0.01018
470.8	0.0104
471.0	0.01059
471.2	0.01078
471.4	0.01097
471.6	0.01125
471.8	0.0115
472.0	0.01186
472.2	0.01218
472.4	0.01238
472.6	0.01267
472.8	0.01301
473.0	0.01326
473.2	0.0135
473.4	0.01369
473.6	0.01386
473.8	0.01409
474.0	0.0142
474.2	0.01434
474.4	0.01438
474.6	0.01445
474.8	0.01453
475.0	0.01455
475.2	0.01454
475.4	0.01461
475.6	0.01463
475.8	0.01464
476.0	0.0147
476.2	0.01458
476.4	0.01449
476.6	0.01461
476.8	0.01462
477.0	0.01467
477.2	0.0147
477.4	0.01476
477.6	0.01491
477.8	0.01489
478.0	0.01504
478.2	0.01519
478.4	0.01529
478.6	0.0156
478.8	0.0157

479.0	0.01584
479.2	0.01608
479.4	0.01629
479.6	0.01654
479.8	0.01669
480.0	0.017
480.2	0.01722
480.4	0.01738
480.6	0.01759
480.8	0.01786
481.0	0.01807
481.2	0.01823
481.4	0.01845
481.6	0.01868
481.8	0.01883
482.0	0.01895
482.2	0.01914
482.4	0.01931
482.6	0.01929
482.8	0.01933
483.0	0.0194
483.2	0.01945
483.4	0.01935
483.6	0.0194
483.8	0.01932
484.0	0.01926
484.2	0.01918
484.4	0.01901
484.6	0.01893
484.8	0.01875
485.0	0.01858
485.2	0.01844
485.4	0.0183
485.6	0.01811
485.8	0.01799
486.0	0.01775
486.2	0.01754
486.4	0.01736
486.6	0.01727
486.8	0.01714
487.0	0.01698
487.2	0.01689
487.4	0.01679
487.6	0.01667
487.8	0.01657
488.0	0.01645
488.2	0.01647
488.4	0.01646
488.6	0.01636
488.8	0.01641
489.0	0.01634
489.2	0.01635
489.4	0.01631
489.6	0.0163

489.8	0.01633
490.0	0.01627
490.2	0.01619
490.4	0.01618
490.6	0.01611
490.8	0.01602
491.0	0.0158
491.2	0.0158
491.4	0.01548
491.6	0.01522
491.8	0.01496
492.0	0.01468
492.2	0.01434
492.4	0.01394
492.6	0.01362
492.8	0.01315
493.0	0.0128
493.2	0.0124
493.4	0.01193
493.6	0.01153
493.8	0.01115
494.0	0.01079
494.2	0.01041
494.4	0.01002
494.6	0.00975
494.8	0.00938
495.0	0.00914
495.2	0.00887
495.4	0.00867
495.6	0.00845
495.8	0.00826
496.0	0.00811
496.2	0.00804
496.4	0.00795
496.6	0.00787
496.8	0.00783
497.0	0.00782
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