

Typical Measured Spectrum of Semrock FF506-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)

350.0	0.02069
350.2	0.02154
350.4	0.02196
350.6	0.02128
350.8	0.01954
351.0	0.01751
351.2	0.01525
351.4	0.01286
351.6	0.01113
351.8	0.00993
352.0	0.00915
352.2	0.00854
352.4	0.00864
352.6	0.0089
352.8	0.00962
353.0	0.01049
353.2	0.01151
353.4	0.01268
353.6	0.01371
353.8	0.0145
354.0	0.01478
354.2	0.01474
354.4	0.0141
354.6	0.01302
354.8	0.01194
355.0	0.01046
355.2	0.00904
355.4	0.00776
355.6	0.0069
355.8	0.00619
356.0	0.00581
356.2	0.00561
356.4	0.00548
356.6	0.0057
356.8	0.006
357.0	0.00669
357.2	0.00733
357.4	0.00816
357.6	0.00928
357.8	0.01032
358.0	0.01116
358.2	0.01226
358.4	0.01243
358.6	0.01271
358.8	0.01236
359.0	0.01161
359.2	0.01071

359.4	0.00985
359.6	0.00873
359.8	0.00788
360.0	0.00703
360.2	0.00651
360.4	0.00606
360.6	0.00603
360.8	0.00629
361.0	0.00639
361.2	0.00702
361.4	0.00764
361.6	0.00823
361.8	0.00905
362.0	0.00997
362.2	0.0112
362.4	0.0123
362.6	0.01343
362.8	0.01496
363.0	0.01559
363.2	0.0164
363.4	0.01678
363.6	0.01655
363.8	0.01581
364.0	0.01505
364.2	0.01423
364.4	0.01292
364.6	0.01196
364.8	0.01107
365.0	0.01052
365.2	0.01012
365.4	0.01005
365.6	0.01025
365.8	0.0105
366.0	0.01104
366.2	0.01205
366.4	0.01303
366.6	0.01437
366.8	0.01602
367.0	0.01755
367.2	0.01929
367.4	0.02045
367.6	0.0212
367.8	0.02125
368.0	0.02097
368.2	0.01986
368.4	0.01825
368.6	0.01657
368.8	0.01446
369.0	0.01286
369.2	0.01164
369.4	0.01041
369.6	0.0099
369.8	0.00932
370.0	0.00919

370.2	0.00917
370.4	0.00963
370.6	0.00993
370.8	0.01049
371.0	0.01151
371.2	0.01247
371.4	0.0137
371.6	0.01502
371.8	0.01662
372.0	0.01817
372.2	0.01936
372.4	0.0203
372.6	0.02079
372.8	0.0206
373.0	0.01968
373.2	0.0182
373.4	0.01673
373.6	0.01523
373.8	0.01337
374.0	0.01189
374.2	0.01037
374.4	0.00931
374.6	0.00843
374.8	0.00753
375.0	0.00685
375.2	0.00629
375.4	0.00581
375.6	0.00546
375.8	0.00517
376.0	0.00484
376.2	0.00464
376.4	0.00445
376.6	0.0043
376.8	0.00416
377.0	0.00404
377.2	0.00416
377.4	0.00436
377.6	0.00459
377.8	0.00495
378.0	0.00542
378.2	0.00552
378.4	0.00568
378.6	0.0059
378.8	0.00578
379.0	0.00574
379.2	0.00577
379.4	0.00539
379.6	0.00515
379.8	0.00482
380.0	0.00475
380.2	0.0047
380.4	0.00482
380.6	0.00506
380.8	0.00556

381.0	0.00616
381.2	0.00685
381.4	0.00784
381.6	0.00857
381.8	0.0095
382.0	0.01038
382.2	0.01124
382.4	0.01158
382.6	0.01205
382.8	0.01205
383.0	0.01198
383.2	0.01184
383.4	0.0115
383.6	0.01125
383.8	0.01077
384.0	0.01053
384.2	0.01026
384.4	0.01021
384.6	0.01052
384.8	0.01063
385.0	0.01122
385.2	0.01205
385.4	0.01308
385.6	0.01446
385.8	0.01613
386.0	0.01836
386.2	0.02038
386.4	0.02283
386.6	0.02513
386.8	0.02696
387.0	0.02848
387.2	0.02937
387.4	0.02984
387.6	0.02943
387.8	0.02831
388.0	0.02677
388.2	0.02538
388.4	0.02376
388.6	0.02244
388.8	0.02109
389.0	0.0203
389.2	0.01963
389.4	0.01971
389.6	0.01965
389.8	0.01989
390.0	0.02058
390.2	0.02126
390.4	0.02191
390.6	0.02221
390.8	0.02239
391.0	0.02213
391.2	0.02146
391.4	0.02062
391.6	0.01912

391.8	0.01745
392.0	0.01525
392.2	0.01358
392.4	0.01167
392.6	0.01037
392.8	0.00915
393.0	0.00811
393.2	0.00727
393.4	0.00684
393.6	0.00594
393.8	0.00571
394.0	0.0057
394.2	0.00536
394.4	0.00535
394.6	0.00524
394.8	0.00529
395.0	0.00532
395.2	0.00518
395.4	0.00554
395.6	0.00573
395.8	0.00593
396.0	0.00595
396.2	0.00626
396.4	0.00652
396.6	0.00627
396.8	0.00612
397.0	0.00624
397.2	0.00583
397.4	0.0058
397.6	0.00547
397.8	0.00501
398.0	0.00472
398.2	0.00441
398.4	0.00422
398.6	0.00397
398.8	0.00374
399.0	0.00335
399.2	0.0032
399.4	0.00306
399.6	0.00294
399.8	0.00282
400.0	0.00289
400.2	0.00271
400.4	0.00283
400.6	0.00285
400.8	0.00292
401.0	0.00303
401.2	0.00308
401.4	0.00334
401.6	0.00345
401.8	0.00368
402.0	0.00401
402.2	0.00429
402.4	0.00439

402.6	0.00474
402.8	0.00493
403.0	0.00512
403.2	0.00528
403.4	0.00543
403.6	0.00545
403.8	0.00551
404.0	0.00525
404.2	0.0053
404.4	0.00514
404.6	0.00492
404.8	0.00478
405.0	0.0046
405.2	0.00435
405.4	0.00422
405.6	0.00403
405.8	0.00401
406.0	0.00407
406.2	0.00405
406.4	0.00411
406.6	0.00412
406.8	0.00418
407.0	0.00437
407.2	0.00457
407.4	0.00484
407.6	0.00523
407.8	0.00567
408.0	0.00609
408.2	0.00672
408.4	0.0076
408.6	0.00841
408.8	0.00944
409.0	0.01075
409.2	0.01218
409.4	0.01362
409.6	0.01548
409.8	0.01738
410.0	0.01923
410.2	0.02127
410.4	0.0231
410.6	0.02506
410.8	0.0266
411.0	0.02823
411.2	0.02936
411.4	0.03043
411.6	0.03103
411.8	0.03136
412.0	0.03152
412.2	0.03157
412.4	0.03154
412.6	0.03138
412.8	0.03061
413.0	0.03012
413.2	0.0294

413.4	0.02881
413.6	0.02759
413.8	0.02654
414.0	0.02561
414.2	0.02455
414.4	0.02321
414.6	0.02201
414.8	0.02102
415.0	0.02002
415.2	0.01896
415.4	0.01822
415.6	0.01739
415.8	0.01672
416.0	0.01629
416.2	0.0157
416.4	0.01544
416.6	0.01526
416.8	0.01504
417.0	0.01477
417.2	0.01446
417.4	0.01426
417.6	0.01404
417.8	0.01381
418.0	0.01344
418.2	0.01283
418.4	0.0122
418.6	0.01143
418.8	0.0107
419.0	0.00994
419.2	0.0092
419.4	0.00834
419.6	0.0076
419.8	0.00683
420.0	0.0061
420.2	0.00546
420.4	0.00496
420.6	0.00453
420.8	0.00412
421.0	0.00378
421.2	0.00356
421.4	0.00317
421.6	0.00301
421.8	0.00296
422.0	0.00291
422.2	0.00286
422.4	0.00282
422.6	0.00281
422.8	0.00291
423.0	0.00309
423.2	0.00339
423.4	0.0038
423.6	0.00431
423.8	0.00503
424.0	0.00596

424.2	0.00702
424.4	0.00826
424.6	0.0095
424.8	0.01052
425.0	0.01131
425.2	0.01184
425.4	0.01181
425.6	0.01141
425.8	0.01059
426.0	0.00952
426.2	0.00839
426.4	0.00733
426.6	0.00631
426.8	0.00547
427.0	0.00462
427.2	0.00406
427.4	0.00362
427.6	0.00328
427.8	0.00304
428.0	0.00275
428.2	0.00251
428.4	0.00239
428.6	0.00221
428.8	0.00207
429.0	0.002
429.2	0.00194
429.4	0.00184
429.6	0.00181
429.8	0.00178
430.0	0.00179
430.2	0.00182
430.4	0.00187
430.6	0.00192
430.8	0.00189
431.0	0.00205
431.2	0.00217
431.4	0.00232
431.6	0.00247
431.8	0.00264
432.0	0.00281
432.2	0.00309
432.4	0.00339
432.6	0.00375
432.8	0.00407
433.0	0.00442
433.2	0.00483
433.4	0.00509
433.6	0.00539
433.8	0.00571
434.0	0.00591
434.2	0.00592
434.4	0.00603
434.6	0.00602
434.8	0.00589

435.0	0.00574
435.2	0.00545
435.4	0.00515
435.6	0.00488
435.8	0.00462
436.0	0.00429
436.2	0.004
436.4	0.0038
436.6	0.00363
436.8	0.00343
437.0	0.00331
437.2	0.00323
437.4	0.00316
437.6	0.00315
437.8	0.00314
438.0	0.00312
438.2	0.00314
438.4	0.00329
438.6	0.00339
438.8	0.00358
439.0	0.00376
439.2	0.00392
439.4	0.00418
439.6	0.00457
439.8	0.00503
440.0	0.00545
440.2	0.00611
440.4	0.00682
440.6	0.00775
440.8	0.00869
441.0	0.0099
441.2	0.01132
441.4	0.0127
441.6	0.01448
441.8	0.01605
442.0	0.01787
442.2	0.0197
442.4	0.02124
442.6	0.02237
442.8	0.0234
443.0	0.02403
443.2	0.02422
443.4	0.02392
443.6	0.02328
443.8	0.02246
444.0	0.02137
444.2	0.01997
444.4	0.01848
444.6	0.01703
444.8	0.01576
445.0	0.01442
445.2	0.01316
445.4	0.01208
445.6	0.0111

445.8	0.01033
446.0	0.00955
446.2	0.00897
446.4	0.00851
446.6	0.00803
446.8	0.0076
447.0	0.00739
447.2	0.00716
447.4	0.00702
447.6	0.00694
447.8	0.00703
448.0	0.00712
448.2	0.00726
448.4	0.00748
448.6	0.00775
448.8	0.00805
449.0	0.00844
449.2	0.00879
449.4	0.00933
449.6	0.00987
449.8	0.01052
450.0	0.01125
450.2	0.01207
450.4	0.0129
450.6	0.01363
450.8	0.01443
451.0	0.01499
451.2	0.01563
451.4	0.01584
451.6	0.01592
451.8	0.01557
452.0	0.01513
452.2	0.01446
452.4	0.01331
452.6	0.01221
452.8	0.01095
453.0	0.00973
453.2	0.00847
453.4	0.00744
453.6	0.00646
453.8	0.00565
454.0	0.005
454.2	0.00444
454.4	0.00401
454.6	0.00375
454.8	0.00349
455.0	0.00342
455.2	0.00346
455.4	0.00349
455.6	0.00366
455.8	0.00382
456.0	0.00399
456.2	0.00408
456.4	0.00423

456.6	0.00424
456.8	0.00426
457.0	0.0042
457.2	0.00415
457.4	0.00399
457.6	0.00388
457.8	0.00377
458.0	0.00358
458.2	0.00353
458.4	0.00361
458.6	0.00381
458.8	0.00415
459.0	0.00469
459.2	0.00532
459.4	0.00609
459.6	0.00684
459.8	0.00748
460.0	0.00797
460.2	0.00833
460.4	0.00852
460.6	0.00839
460.8	0.00818
461.0	0.00778
461.2	0.00713
461.4	0.00639
461.6	0.00555
461.8	0.00475
462.0	0.00405
462.2	0.00341
462.4	0.00287
462.6	0.00246
462.8	0.00216
463.0	0.00193
463.2	0.00171
463.4	0.00159
463.6	0.0015
463.8	0.00136
464.0	0.00122
464.2	0.00117
464.4	0.00106
464.6	0.001
464.8	9.3332e-04
465.0	9.184e-04
465.2	8.8282e-04
465.4	8.7766e-04
465.6	9.2419e-04
465.8	9.6924e-04
466.0	0.00101
466.2	0.00117
466.4	0.00137
466.6	0.00168
466.8	0.00212
467.0	0.00283
467.2	0.00371

467.4 0.00466
467.6 0.00562
467.8 0.00637
468.0 0.00686
468.2 0.00726
468.4 0.0074
468.6 0.00733
468.8 0.00711
469.0 0.00665
469.2 0.00602
469.4 0.00509
469.6 0.00403
469.8 0.00312
470.0 0.00221
470.2 0.00158
470.4 0.00117
470.6 9.0621e-04
470.8 7.4204e-04
471.0 6.623e-04
471.2 5.7468e-04
471.4 5.4853e-04
471.6 4.9983e-04
471.8 4.8654e-04
472.0 4.3387e-04
472.2 4.0787e-04
472.4 4.8193e-04
472.6 4.4317e-04
472.8 3.7189e-04
473.0 4.1666e-04
473.2 4.2071e-04
473.4 3.9776e-04
473.6 4.1374e-04
473.8 4.1331e-04
474.0 4.2204e-04
474.2 4.5885e-04
474.4 4.2855e-04
474.6 4.2363e-04
474.8 4.4443e-04
475.0 3.7586e-04
475.2 4.7519e-04
475.4 4.5756e-04
475.6 4.5347e-04
475.8 4.5309e-04
476.0 4.5759e-04
476.2 4.7201e-04
476.4 4.7946e-04
476.6 4.7357e-04
476.8 4.7478e-04
477.0 5.2491e-04
477.2 4.9828e-04
477.4 5.061e-04
477.6 4.7843e-04
477.8 5.1934e-04
478.0 4.9324e-04

478.2 5.5163e-04
478.4 5.4528e-04
478.6 5.4279e-04
478.8 5.5423e-04
479.0 5.6709e-04
479.2 5.6124e-04
479.4 5.5533e-04
479.6 5.9123e-04
479.8 5.8025e-04
480.0 5.8681e-04
480.2 5.6269e-04
480.4 5.7007e-04
480.6 6.0484e-04
480.8 5.8357e-04
481.0 5.9872e-04
481.2 6.0415e-04
481.4 6.4503e-04
481.6 6.2928e-04
481.8 6.4616e-04
482.0 6.2983e-04
482.2 6.3901e-04
482.4 6.3766e-04
482.6 6.6876e-04
482.8 6.7705e-04
483.0 6.8599e-04
483.2 6.9816e-04
483.4 6.6336e-04
483.6 6.872e-04
483.8 7.0989e-04
484.0 6.9189e-04
484.2 7.4529e-04
484.4 7.0735e-04
484.6 7.3158e-04
484.8 7.6249e-04
485.0 7.4766e-04
485.2 7.7425e-04
485.4 7.7433e-04
485.6 7.9862e-04
485.8 8.1035e-04
486.0 8.3611e-04
486.2 8.4734e-04
486.4 8.611e-04
486.6 9.1037e-04
486.8 9.2439e-04
487.0 9.3159e-04
487.2 0.00101
487.4 0.00101
487.6 0.00108
487.8 0.0011
488.0 0.00115
488.2 0.00123
488.4 0.00129
488.6 0.0014
488.8 0.00151

489.0	0.0016
489.2	0.00174
489.4	0.00191
489.6	0.00205
489.8	0.00224
490.0	0.00246
490.2	0.00269
490.4	0.00292
490.6	0.00315
490.8	0.00336
491.0	0.00357
491.2	0.00381
491.4	0.00405
491.6	0.00425
491.8	0.00445
492.0	0.0046
492.2	0.00477
492.4	0.00488
492.6	0.00495
492.8	0.00506
493.0	0.00512
493.2	0.00517
493.4	0.00517
493.6	0.00519
493.8	0.00521
494.0	0.00523
494.2	0.00526
494.4	0.00529
494.6	0.00534
494.8	0.0054
495.0	0.00552
495.2	0.00566
495.4	0.00577
495.6	0.00598
495.8	0.00614
496.0	0.00636
496.2	0.0067
496.4	0.00701
496.6	0.0073
496.8	0.00777
497.0	0.00826
497.2	0.00884
497.4	0.00949
497.6	0.0102
497.8	0.01102
498.0	0.01204
498.2	0.01317
498.4	0.01457
498.6	0.01615
498.8	0.01796
499.0	0.02007
499.2	0.02255
499.4	0.02558
499.6	0.02904

499.8	0.03317
500.0	0.03902
500.2	0.04544
500.4	0.05199
500.6	0.05971
500.8	0.06848
501.0	0.07908
501.2	0.09133
501.4	0.10542
501.6	0.12124
501.8	0.13877
502.0	0.15828
502.2	0.17922
502.4	0.2018
502.6	0.22528
502.8	0.24988
503.0	0.2738
503.2	0.29851
503.4	0.32263
503.6	0.34567
503.8	0.36588
504.0	0.38577
504.2	0.40403
504.4	0.41954
504.6	0.43302
504.8	0.44355
505.0	0.45099
505.2	0.45835
505.4	0.46189
505.6	0.4669
505.8	0.4681
506.0	0.47232
506.2	0.47748
506.4	0.48124
506.6	0.48777
506.8	0.49532
507.0	0.50614
507.2	0.51772
507.4	0.53433
507.6	0.554
507.8	0.5747
508.0	0.59792
508.2	0.62307
508.4	0.64772
508.6	0.67564
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