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TECHSPEC®

High Performance OD 4.0 Longpass Filters

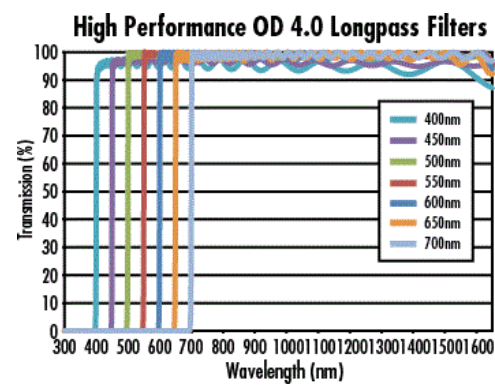


- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥91% Transmission in Pass Band
- Variety of [OD 4.0 Longpass Filter Kits](#) Available

Common Specifications

Physical & Mechanical Properties			
Thickness Tolerance (mm):	±0.1	Physical Durability:	Adhesion per MIL-PRF-13830B, Section C.4.5.12 Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11 Cleaning per MIL-C-48497A Section 4.5.4.2
Optical Properties			
Angle of Incidence (°):	0	Optical Density OD (Average):	≥4.0
Substrate:	Fused Silica (Corning 7980)	Coating:	Hard Coated
Surface Quality:	60-40	Transmitted Wavefront, RMS:	≤λ/4 @ 633nm (prior to coating)
Cut-On Tolerance (%):	±1	Coating Specification:	Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated
Environmental & Durability Factors			
Environmental Durability:		Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7	

Technical Information



Products

Dia. (mm)	Cut-On Wavelength (nm)	Thickness (mm)	Rejection Wavelength (nm)	Transmission Wavelength (nm)	Wavelength Range (nm)	Stock Number	Price	Buy
12.50	325.00	1.50	200 - 315	333 - 1600	200 - 1600	#34-295	€198,00 Qty 6+ €169,00	3-4 days
25.00	325.00	1.50	200 - 315	333 - 1600	200 - 1600	#34-296	€265,00 Qty 6+ €227,00	3-4 days
50.00	325.00	1.50	200 - 315	333 - 1600	200 - 1600	#34-297	€551,00 Qty 6+ €472,00	3-4 days
12.50	350.00	1.50	200 - 340	358 - 1600	200 - 1600	#34-298	€198,00 Qty 6+ €169,00	3-4 days
25.00	350.00	1.50	200 - 340	358 - 1600	200 - 1600	#34-299	€265,00 Qty 6+ €227,00	3-4 days
50.00	350.00	1.50	200 - 340	358 - 1600	200 - 1600	#34-300	€551,00 Qty 6+ €472,00	3-4 days
12.50	375.00	1.50	200 - 365	383 - 1600	200 - 1600	#34-301	€198,00 Qty 6+ €169,00	3-4 days
25.00	375.00	1.50	200 - 365	383 - 1600	200 - 1600	#34-302	€265,00 Qty 6+ €227,00	In Stock
50.00	375.00	1.50	200 - 365	383 - 1600	200 - 1600	#34-303	€551,00 Qty 6+ €472,00	3-4 days
12.50	400.00	2.00	200 - 390	408 - 1650	200 - 1650	#62-974	€188,00 Qty 6+ €160,00	In Stock
25.00	400.00	3.00	200 - 390	408 - 1650	200 - 1650	#62-981	€255,00 Qty 6+ €218,00	In Stock
50.00	400.00	5.00	200 - 390	408 - 1650	200 - 1650	#84-754	€541,00 Qty 6+ €463,00	3-4 days
12.50	425.00	2.00	200 - 415	433 - 1650	200 - 1650	#84-736	€188,00 Qty 6+ €160,00	3-4 days
25.00	425.00	3.00	200 - 415	433 - 1650	200 - 1650	#84-742	€255,00 Qty 6+ €218,00	In Stock
50.00	425.00	5.00	200 - 415	433 - 1650	200 - 1650	#84-748	€541,00 Qty 6+ €463,00	In Stock
12.50	450.00	2.00	200 - 440	458 - 1650	200 - 1650	#62-975	€188,00 Qty 6+ €160,00	In Stock
25.00	450.00	3.00	200 - 440	458 - 1650	200 - 1650	#62-982	€255,00 Qty 6+ €218,00	In Stock
50.00	450.00	5.00	200 - 440	458 - 1650	200 - 1650	#84-755	€541,00 Qty 6+ €463,00	3-4 days
12.50	475.00	2.00	200 - 465	483 - 1650	200 - 1650	#84-737	€188,00 Qty 6+ €160,00	In Stock

25.00	475.00	3.00	200 - 465	483 - 1650	200 - 1650	#84-743	€255,00 Qty 6+ €218,00	In Stock
50.00	475.00	5.00	200 - 465	483 - 1650	200 - 1650	#84-749	€541,00 Qty 6+ €463,00	In Stock
12.50	500.00	2.00	200 - 490	508 - 1650	200 - 1650	#62-976	€188,00 Qty 6+ €160,00	In Stock
25.00	500.00	3.00	200 - 490	508 - 1650	200 - 1650	#62-983	€255,00 Qty 6+ €218,00	In Stock
50.00	500.00	5.00	200 - 490	508 - 1650	200 - 1650	#84-756	€541,00 Qty 6+ €463,00	3-4 days
12.50	525.00	2.00	200 - 515	534 - 1650	200 - 1650	#84-738	€188,00 Qty 6+ €160,00	3-4 days
25.00	525.00	3.00	200 - 515	534 - 1650	200 - 1650	#84-744	€255,00 Qty 6+ €218,00	In Stock
50.00	525.00	5.00	200 - 515	534 - 1650	200 - 1650	#84-750	€541,00 Qty 6+ €463,00	3-4 days
12.50	550.00	2.00	200 - 539	560 - 1650	200 - 1650	#62-977	€188,00 Qty 6+ €160,00	In Stock
25.00	550.00	3.00	200 - 539	560 - 1650	200 - 1650	#62-984	€255,00 Qty 6+ €218,00	In Stock
50.00	550.00	5.00	200 - 539	560 - 1650	200 - 1650	#84-757	€541,00 Qty 6+ €463,00	In Stock
12.50	575.00	2.00	200 - 564	585 - 1650	200 - 1650	#84-739	€188,00 Qty 6+ €160,00	In Stock
25.00	575.00	3.00	200 - 564	585 - 1650	200 - 1650	#84-745	€255,00 Qty 6+ €218,00	In Stock
50.00	575.00	5.00	200 - 564	585 - 1650	200 - 1650	#84-751	€541,00 Qty 6+ €463,00	3-4 days
12.50	600.00	2.00	200 - 588	610 - 1650	200 - 1650	#62-978	€188,00 Qty 6+ €160,00	3-4 days
25.00	600.00	3.00	200 - 588	610 - 1650	200 - 1650	#62-985	€255,00 Qty 6+ €218,00	In Stock
50.00	600.00	5.00	200 - 588	610 - 1650	200 - 1650	#84-758	€541,00 Qty 6+ €463,00	In Stock
12.50	625.00	2.00	200 - 613	635 - 1650	200 - 1650	#84-740	€188,00 Qty 6+ €160,00	3-4 days
25.00	625.00	3.00	200 - 613	635 - 1650	200 - 1650	#84-746	€255,00 Qty 6+ €218,00	3-4 days
50.00	625.00	5.00	200 - 613	635 - 1650	200 - 1650	#84-752	€541,00 Qty 6+ €463,00	3-4 days
12.50	650.00	2.00	200 - 637	660 - 1650	200 - 1650	#62-979	€188,00 Qty 6+ €160,00	3-4 days
25.00	650.00	3.00	200 - 637	660 - 1650	200 - 1650	#62-986	€255,00 Qty 6+ €218,00	3-4 days

50.00	650.00	5.00	200 - 637	660 - 1650	200 - 1650	#84-759	€541,00 Qty 6+ €463,00	3-4 days
12.50	675.00	2.00	200 - 662	685 - 1650	200 - 1650	#84-741	€188,00 Qty 6+ €160,00	3-4 days
25.00	675.00	3.00	200 - 662	685 - 1650	200 - 1650	#84-747	€255,00 Qty 6+ €218,00	3-4 days
50.00	675.00	5.00	200 - 662	685 - 1650	200 - 1650	#84-753	€541,00 Qty 6+ €463,00	3-4 days
12.50	700.00	2.00	200 - 686	710 - 1650	200 - 1650	#62-980	€188,00 Qty 6+ €160,00	In Stock
25.00	700.00	3.00	200 - 686	710 - 1650	200 - 1650	#62-987	€255,00 Qty 6+ €218,00	In Stock
50.00	700.00	5.00	200 - 686	710 - 1650	200 - 1650	#84-760	€541,00 Qty 6+ €463,00	3-4 days
12.50	725.00	2.00	200 - 705	735 - 1650	200 - 1650	#86-060	€198,00 Qty 6+ €169,00	3-4 days
25.00	725.00	3.00	200 - 705	735 - 1650	200 - 1650	#86-068	€265,00 Qty 6+ €227,00	3-4 days
50.00	725.00	5.00	200 - 705	735 - 1650	200 - 1650	#86-076	€551,00 Qty 6+ €472,00	3-4 days
12.50	750.00	2.00	200 - 735	765 - 1650	200 - 1650	#66-226	€198,00 Qty 6+ €169,00	3-4 days
25.00	750.00	3.00	200 - 735	765 - 1650	200 - 1650	#66-234	€265,00 Qty 6+ €227,00	3-4 days
50.00	750.00	5.00	200 - 735	765 - 1650	200 - 1650	#84-761	€551,00 Qty 6+ €472,00	3-4 days
12.50	775.00	2.00	200 - 760	790 - 1650	200 - 1650	#86-061	€198,00 Qty 6+ €169,00	3-4 days
25.00	775.00	3.00	200 - 760	790 - 1650	200 - 1650	#86-069	€265,00 Qty 6+ €227,00	3-4 days
50.00	775.00	5.00	200 - 760	790 - 1650	200 - 1650	#86-077	€551,00 Qty 6+ €472,00	3-4 days
12.50	800.00	2.00	200 - 785	815 - 1650	200 - 1650	#66-227	€198,00 Qty 6+ €169,00	In Stock
25.00	800.00	3.00	200 - 785	815 - 1650	200 - 1650	#66-235	€265,00 Qty 6+ €227,00	3-4 days
50.00	800.00	5.00	200 - 785	815 - 1650	200 - 1650	#84-762	€551,00 Qty 6+ €472,00	3-4 days
12.50	825.00	2.00	200 - 805	840 - 1650	200 - 1650	#86-062	€198,00 Qty 6+ €169,00	In Stock
25.00	825.00	3.00	200 - 805	840 - 1650	200 - 1650	#86-070	€265,00 Qty 6+ €227,00	3-4 days
50.00	825.00	5.00	200 - 805	840 - 1650	200 - 1650	#86-078	€551,00 Qty 6+ €472,00	3-4 days

12.50	850.00	2.00	200 - 835	865 - 1650	200 - 1650	#66-228	€198,00 Qty 6+ €169,00	3-4 days
25.00	850.00	3.00	200 - 835	865 - 1650	200 - 1650	#66-236	€265,00 Qty 6+ €227,00	3-4 days
50.00	850.00	5.00	200 - 835	865 - 1650	200 - 1650	#84-763	€551,00 Qty 6+ €472,00	3-4 days
12.50	875.00	2.00	200 - 860	890 - 1650	200 - 1650	#86-063	€198,00 Qty 6+ €169,00	3-4 days
25.00	875.00	3.00	200 - 860	890 - 1650	200 - 1650	#86-071	€265,00 Qty 6+ €227,00	3-4 days
50.00	875.00	5.00	200 - 860	890 - 1650	200 - 1650	#86-079	€551,00 Qty 6+ €472,00	In Stock
12.50	900.00	2.00	200 - 880	915 - 1650	200 - 1650	#66-229	€198,00 Qty 6+ €169,00	3-4 days
25.00	900.00	3.00	200 - 880	915 - 1650	200 - 1650	#66-237	€265,00 Qty 6+ €227,00	3-4 days
50.00	900.00	5.00	200 - 880	915 - 1650	200 - 1650	#84-764	€551,00 Qty 6+ €472,00	3-4 days
12.50	925.00	2.00	200 - 905	940 - 1650	200 - 1650	#86-064	€198,00 Qty 6+ €169,00	3-4 days
25.00	925.00	3.00	200 - 905	940 - 1650	200 - 1650	#86-072	€265,00 Qty 6+ €227,00	In Stock
50.00	925.00	5.00	200 - 905	940 - 1650	200 - 1650	#86-080	€551,00 Qty 6+ €472,00	3-4 days
12.50	950.00	2.00	200 - 930	965 - 1650	200 - 1650	#66-230	€198,00 Qty 6+ €169,00	3-4 days
25.00	950.00	3.00	200 - 930	965 - 1650	200 - 1650	#66-238	€265,00 Qty 6+ €227,00	In Stock
50.00	950.00	5.00	200 - 930	965 - 1650	200 - 1650	#84-765	€551,00 Qty 6+ €472,00	3-4 days
12.50	975.00	2.00	200 - 955	990 - 1650	200 - 1650	#86-065	€198,00 Qty 6+ €169,00	3-4 days
25.00	975.00	3.00	200 - 955	990 - 1650	200 - 1650	#86-073	€265,00 Qty 6+ €227,00	3-4 days
50.00	975.00	5.00	200 - 955	990 - 1650	200 - 1650	#86-081	€551,00 Qty 6+ €472,00	3-4 days
12.50	1,000.00	2.00	200 - 980	1020 - 1650	200 - 1650	#66-231	€208,00 Qty 6+ €177,00	In Stock
25.00	1,000.00	3.00	200 - 980	1020 - 1650	200 - 1650	#66-239	€275,00 Qty 6+ €237,00	In Stock
50.00	1,000.00	5.00	200 - 980	1020 - 1650	200 - 1650	#84-766	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,025.00	2.00	200 - 1005	1045 - 1650	200 - 1650	#86-066	€208,00 Qty 6+ €177,00	In Stock

25.00	1,025.00	3.00	200 - 1005	1045 - 1650	200 - 1650	#86-074	€275,00 Qty 6+ €237,00	In Stock
50.00	1,025.00	5.00	200 - 1005	1045 - 1650	200 - 1650	#86-082	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,050.00	2.00	200 - 1030	1070 - 1650	200 - 1650	#66-232	€208,00 Qty 6+ €177,00	In Stock
25.00	1,050.00	3.00	200 - 1030	1070 - 1650	200 - 1650	#66-240	€275,00 Qty 6+ €237,00	In Stock
50.00	1,050.00	5.00	200 - 1030	1070 - 1650	200 - 1650	#84-767	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,075.00	2.00	200 - 1055	1095 - 1650	200 - 1650	#86-067	€208,00 Qty 6+ €177,00	In Stock
25.00	1,075.00	3.00	200 - 1055	1095 - 1650	200 - 1650	#86-075	€275,00 Qty 6+ €237,00	In Stock
50.00	1,075.00	5.00	200 - 1055	1095 - 1650	200 - 1650	#86-083	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,100.00	2.00	200 - 1080	1120 - 1650	200 - 1650	#66-233	€208,00 Qty 6+ €177,00	In Stock
25.00	1,100.00	3.00	200 - 1080	1120 - 1650	200 - 1650	#66-241	€275,00 Qty 6+ €237,00	Contact Us
50.00	1,100.00	5.00	200 - 1080	1120 - 1650	200 - 1650	#84-768	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,150.00	3.00	200 - 1130	1170 - 1650	200 - 1650	#89-657	€208,00 Qty 6+ €177,00	3-4 days
25.00	1,150.00	3.00	200 - 1130	1170 - 1650	200 - 1650	#89-661	€275,00 Qty 6+ €237,00	Contact Us
50.00	1,150.00	3.00	200 - 1130	1170 - 1650	200 - 1650	#89-665	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,200.00	3.00	200 - 1180	1220 - 1650	200 - 1650	#89-658	€208,00 Qty 6+ €177,00	3-4 days
25.00	1,200.00	3.00	200 - 1180	1220 - 1650	200 - 1650	#89-662	€275,00 Qty 6+ €237,00	3-4 days
50.00	1,200.00	3.00	200 - 1180	1220 - 1650	200 - 1650	#89-666	€561,00 Qty 6+ €482,00	3-4 days
12.50	1,250.00	3.00	200 - 1230	1270 - 1650	200 - 1650	#89-659	€208,00 Qty 6+ €177,00	3-4 days
25.00	1,250.00	3.00	200 - 1230	1270 - 1650	200 - 1650	#89-663	€275,00 Qty 6+ €237,00	3-4 days
50.00	1,250.00	3.00	200 - 1230	1270 - 1650	200 - 1650	#89-667	€561,00 Qty 6+ €482,00	In Stock
12.50	1,300.00	3.00	200 - 1280	1320 - 1650	200 - 1650	#89-660	€208,00 Qty 6+ €177,00	In Stock
25.00	1,300.00	3.00	200 - 1280	1320 - 1650	200 - 1650	#89-664	€275,00 Qty 6+ €237,00	Contact Us



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