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TECHSPEC® High Performance OD 4.0 Shortpass Filters



- Broad Transmission and Rejection Ranges
- Sharp Slope for Effective Spectral Discrimination
- Combine with Longpass Filter for Custom Bandpass Ranges

Common Specifications

General

Note:	Arrow on part indicates filter coated surface.
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Physical & Mechanical Properties

Clear Aperture (%):	>80
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

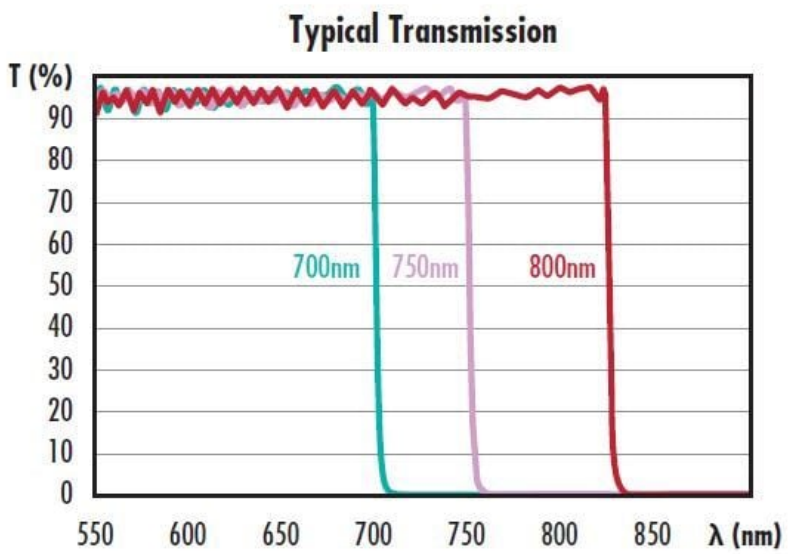
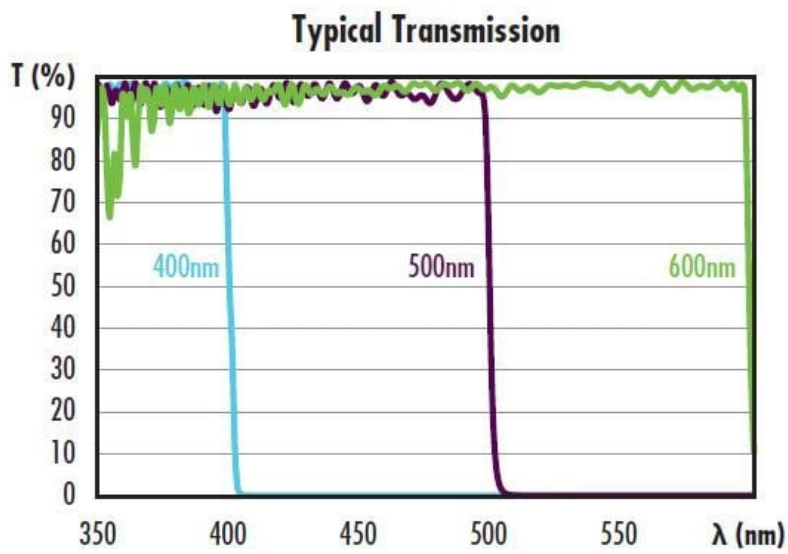
Optical Properties

Angle of Incidence (°):	0		
Optical Density OD (Average):	≥4.0	Substrate:	Fused Silica (Corning 7980)
Coating:	Hard Coated	Surface Quality:	60-40
Transmission (%):	≥91	Transmitted Wavefront, RMS:	≤λ/4 @ 633nm (prior to coating)
Cut-Off Tolerance (%):	±1		

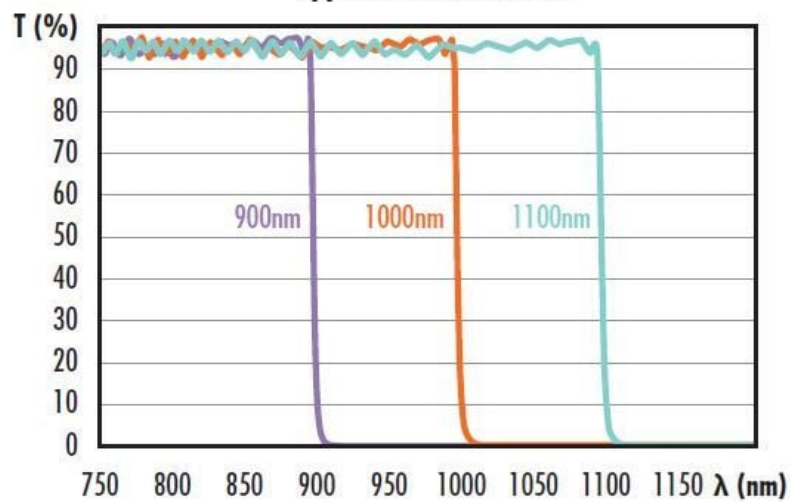
Environmental & Durability Factors

Environmental Durability:	Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7
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Technical Information



Typical Transmission



Products

Dia. (mm)	Cut-Off Wavelength (nm)	Rejection Wavelength (nm)	Transmission Wavelength (nm)	Wavelength Range (nm)	Stock Number	Price	Buy
12.50	400.00	410 - 610	300 - 392	300 - 610	#84-689	₹15,025 Volume Pricing	10 In Stock
25.00	400.00	410 - 610	300 - 392	300 - 610	#84-702	₹20,319 Volume Pricing	Contact Us
50.00	400.00	410 - 610	300 - 392	300 - 610	#84-715	₹43,129 Volume Pricing	9 In Stock
12.50	425.00	435 - 635	300 - 417	300 - 635	#84-690	₹15,025 Volume Pricing	20+ In Stock
25.00	425.00	435 - 635	300 - 417	300 - 635	#84-703	₹20,319 Volume Pricing	13 In Stock
50.00	425.00	435 - 635	300 - 417	300 - 635	#84-716	₹43,129 Volume Pricing	3 In Stock
12.50	450.00	460 - 660	300 - 441	300 - 660	#84-691	₹15,025 Volume Pricing	5 In Stock
25.00	450.00	460 - 660	300 - 441	300 - 660	#84-704	₹20,319 Volume Pricing	14 In Stock
50.00	450.00	460 - 660	300 - 441	300 - 660	#84-717	₹43,129 Volume Pricing	4 In Stock
12.50	475.00	485 - 685	300 - 466	300 - 685	#84-692	₹15,025 Volume Pricing	13 In Stock
25.00	475.00	485 - 685	300 - 466	300 - 685	#84-705	₹20,319 Volume Pricing	5 In Stock
50.00	475.00	485 - 685	300 - 466	300 - 685	#84-718	₹43,129 Volume Pricing	5 In Stock
12.50	500.00	512 - 715	300 - 490	300 - 715	#84-693	₹15,025 Volume Pricing	20+ In Stock
25.00	500.00	512 - 715	300 - 490	300 - 715	#84-706	₹20,319 Volume Pricing	20+ In Stock
50.00	500.00	512 - 715	300 - 490	300 - 715	#84-719	₹43,129 Volume Pricing	6 In Stock
12.50	525.00	537 - 740	300 - 515	300 - 740	#84-694	₹15,025 Volume Pricing	20+ In Stock
25.00	525.00	537 - 740	300 - 515	300 - 740	#84-707	₹20,319 Volume Pricing	4 In Stock
50.00	525.00	537 - 740	300 - 515	300 - 740	#84-720	₹43,129 Volume Pricing	11 In Stock

12.50	550.00	562 - 825	350 - 539	350 - 825	#84-695	₹15,025 Volume Pricing	12 In Stock
25.00	550.00	562 - 825	350 - 539	350 - 825	#84-708	₹20,319 Volume Pricing	16 In Stock
50.00	550.00	562 - 825	350 - 539	350 - 825	#84-721	₹43,129 Volume Pricing	3 In Stock
12.50	575.00	587 - 850	350 - 564	350 - 850	#84-696	₹15,025 Volume Pricing	8 In Stock
25.00	575.00	587 - 850	350 - 564	350 - 850	#84-709	₹20,319 Volume Pricing	17 In Stock
50.00	575.00	587 - 850	350 - 564	350 - 850	#84-722	₹43,129 Volume Pricing	2 In Stock
12.50	600.00	614 - 900	350 - 587	350 - 900	#84-697	₹15,025 Volume Pricing	10 In Stock
25.00	600.00	614 - 900	350 - 587	350 - 900	#84-710	₹20,319 Volume Pricing	16 In Stock
50.00	600.00	614 - 900	350 - 587	350 - 900	#84-723	₹43,129 Volume Pricing	3 In Stock
12.50	625.00	639 - 925	350 - 612	350 - 925	#84-698	₹15,025 Volume Pricing	9 In Stock
25.00	625.00	639 - 925	350 - 612	350 - 925	#84-711	₹20,319 Volume Pricing	5 In Stock
50.00	625.00	639 - 925	350 - 612	350 - 925	#84-724	₹43,129 Volume Pricing	7 In Stock
12.50	650.00	665 - 960	350 - 636	350 - 960	#84-699	₹15,025 Volume Pricing	20+ In Stock
25.00	650.00	665 - 960	350 - 636	350 - 960	#84-712	₹20,319 Volume Pricing	4 In Stock
50.00	650.00	665 - 960	350 - 636	350 - 960	#84-725	₹43,129 Volume Pricing	17 In Stock
12.50	675.00	690 - 1000	350 - 661	350 - 1000	#84-700	₹15,025 Volume Pricing	20+ In Stock
25.00	675.00	690 - 1000	350 - 661	350 - 1000	#84-713	₹20,319 Volume Pricing	20+ In Stock
50.00	675.00	690 - 1000	350 - 661	350 - 1000	#84-726	₹43,129 Volume Pricing	8 In Stock
12.50	700.00	715 - 1050	400 - 685	400 - 1050	#84-701	₹15,025 Volume Pricing	17 In Stock
25.00	700.00	715 - 1050	400 - 685	400 - 1050	#84-714	₹20,319 Volume Pricing	20+ In Stock
50.00	700.00	715 - 1050	400 - 685	400 - 1050	#84-727	₹43,129 Volume Pricing	4 In Stock
12.50	725.00	740 - 1090	400 - 710	400 - 1090	#86-095	₹15,804 Volume Pricing	Contact Us

25.00	725.00	740 - 1090	400 - 710	400 - 1090	#86-103	₹21,175 Volume Pricing	Contact Us
50.00	725.00	740 - 1090	400 - 710	400 - 1090	#86-111	₹43,985 Volume Pricing	5 In Stock
12.50	750.00	775 - 1125	400 - 740	400 - 1125	#64-324	₹15,804 Volume Pricing	2 In Stock
25.00	750.00	775 - 1125	400 - 740	400 - 1125	#64-332	₹21,175 Volume Pricing	14 In Stock
50.00	750.00	775 - 1125	400 - 740	400 - 1125	#84-728	₹43,985 Volume Pricing	Contact Us
12.50	775.00	795 - 1155	400 - 760	400 - 1155	#86-096	₹15,804 Volume Pricing	20+ In Stock
25.00	775.00	795 - 1155	400 - 760	400 - 1155	#86-104	₹21,175 Volume Pricing	8 In Stock
50.00	775.00	795 - 1155	400 - 760	400 - 1155	#86-112	₹43,985 Volume Pricing	6 In Stock
12.50	800.00	825 - 1190	400 - 790	400 - 1190	#64-325	₹15,804 Volume Pricing	20+ In Stock
25.00	800.00	825 - 1190	400 - 790	400 - 1190	#64-333	₹21,175 Volume Pricing	20+ In Stock
50.00	800.00	825 - 1190	400 - 790	400 - 1119	#84-729	₹43,985 Volume Pricing	9 In Stock
12.50	825.00	850 - 1190	400 - 810	400 - 1190	#86-097	₹15,804 Volume Pricing	5 In Stock
25.00	825.00	850 - 1190	400 - 810	400 - 1190	#86-105	₹21,175 Volume Pricing	20+ In Stock
50.00	825.00	850 - 1190	400 - 810	400 - 1119	#86-113	₹43,985 Volume Pricing	10 In Stock
12.50	850.00	880 - 1190	425 - 840	425 - 1190	#64-326	₹15,804 Volume Pricing	13 In Stock
25.00	850.00	880 - 1190	425 - 840	425 - 1190	#64-334	₹21,175 Volume Pricing	10 In Stock
50.00	850.00	880 - 1190	425 - 840	425 - 1119	#84-730	₹43,985 Volume Pricing	13 In Stock
12.50	875.00	905 - 1220	425 - 860	425 - 1220	#86-098	₹15,804 Volume Pricing	9 In Stock
25.00	875.00	905 - 1220	425 - 860	425 - 1220	#86-106	₹21,175 Volume Pricing	20+ In Stock
50.00	875.00	905 - 1220	425 - 860	425 - 1220	#86-114	₹43,985 Volume Pricing	5 In Stock
12.50	900.00	930 - 1250	425 - 890	425 - 1250	#64-327	₹15,804 Volume Pricing	Contact Us

25.00	900.00	930 - 1250	425 - 890	425 - 1250	#64-335	₹21,175 Volume Pricing	7 In Stock
50.00	900.00	930 - 1250	425 - 890	425 - 1250	#84-731	₹43,985 Volume Pricing	6 In Stock
12.50	925.00	955 - 1290	445 - 910	445 - 1290	#86-099	₹15,804 Volume Pricing	15 In Stock
25.00	925.00	955 - 1290	445 - 910	445 - 1290	#86-107	₹21,175 Volume Pricing	14 In Stock
50.00	925.00	955 - 1290	445 - 910	445 - 1290	#86-115	₹43,985 Volume Pricing	6 In Stock
12.50	950.00	980 - 1325	450 - 939	450 - 1325	#64-328	₹15,804 Volume Pricing	12 In Stock
25.00	950.00	980 - 1325	450 - 939	450 - 1325	#64-336	₹21,175 Volume Pricing	20+ In Stock
50.00	950.00	980 - 1325	450 - 939	450 - 1325	#84-732	₹43,985 Volume Pricing	5 In Stock
12.50	975.00	1005 - 1365	465 - 960	465 - 1365	#86-100	₹15,804 Volume Pricing	16 In Stock
25.00	975.00	1005 - 1365	465 - 960	465 - 1365	#86-108	₹21,175 Volume Pricing	7 In Stock
50.00	975.00	1005 - 1365	465 - 960	465 - 1365	#86-116	₹43,985 Volume Pricing	3 In Stock
12.50	1,000.00	1035 - 1400	465 - 988	465 - 1400	#64-329	₹16,582 Volume Pricing	17 In Stock
25.00	1,000.00	1035 - 1400	465 - 988	465 - 1400	#64-337	₹22,032 Volume Pricing	20+ In Stock
50.00	1,000.00	1035 - 1400	465 - 988	465 - 1400	#84-733	₹44,764 Volume Pricing	8 In Stock
12.50	1,025.00	1060 - 1430	490 - 1010	490 - 1430	#86-101	₹16,582 Volume Pricing	17 In Stock
25.00	1,025.00	1060 - 1430	490 - 1010	490 - 1430	#86-109	₹22,032 Volume Pricing	4 In Stock
50.00	1,025.00	1060 - 1430	490 - 1010	490 - 1430	#86-117	₹44,764 Volume Pricing	2 In Stock
12.50	1,050.00	1085 - 1460	485 - 1036	485 - 1460	#64-330	₹16,582 Volume Pricing	14 In Stock
25.00	1,050.00	1085 - 1460	485 - 1036	485 - 1460	#64-338	₹22,032 Volume Pricing	15 In Stock
50.00	1,050.00	1085 - 1460	485 - 1036	485 - 1460	#84-734	₹44,764 Volume Pricing	4 In Stock
12.50	1,075.00	1110 - 1495	505 - 1060	505 - 1495	#86-102	₹16,582 Volume Pricing	6 In Stock
25.00	1,075.00	1110 - 1495	505 - 1060	505 - 1495	#86-110	₹22,032 Volume Pricing	14 In Stock

50.00	1,075.00	1110 - 1495	505 - 1060	505 - 1495	#86-118	₹44,764 Volume Pricing	2 In Stock
12.50	1,100.00	1140 - 1530	510 - 1085	510 - 1530	#64-331	₹16,582 Volume Pricing	1 In Stock
25.00	1,100.00	1140 - 1530	510 - 1085	510 - 1530	#64-339	₹22,032 Volume Pricing	15 In Stock
50.00	1,100.00	1140 - 1530	510 - 1085	510 - 1530	#84-735	₹44,764 Volume Pricing	5 In Stock
12.50	1,150.00	1190 - 1650	535 - 1135	535 - 1650	#89-669	₹16,582 Volume Pricing	20+ In Stock
25.00	1,150.00	1190 - 1650	535 - 1135	535 - 1650	#89-573	₹22,032 Volume Pricing	13 In Stock
50.00	1,150.00	1190 - 1650	535 - 1135	535 - 1650	#89-677	₹44,764 Volume Pricing	5 In Stock
12.50	1,200.00	1240 - 1650	550 - 1185	550 - 1650	#89-670	₹16,582 Volume Pricing	2 In Stock
25.00	1,200.00	1240 - 1650	550 - 1185	550 - 1650	#89-674	₹22,032 Volume Pricing	5 In Stock
50.00	1,200.00	1240 - 1650	550 - 1185	550 - 1650	#89-678	₹44,764 Volume Pricing	2 In Stock
12.50	1,250.00	1290 - 1650	575 - 1235	575 - 1650	#89-671	₹16,582 Volume Pricing	2 In Stock
25.00	1,250.00	1290 - 1650	575 - 1235	575 - 1650	#89-675	₹22,032 Volume Pricing	4 In Stock
50.00	1,250.00	1290 - 1650	575 - 1235	575 - 1650	#89-679	₹44,764 Volume Pricing	2 In Stock
12.50	1,300.00	1340 - 1650	600 - 1285	600 - 1650	#89-672	₹16,582 Volume Pricing	20+ In Stock
25.00	1,300.00	1340 - 1650	600 - 1285	600 - 1650	#89-676	₹22,032 Volume Pricing	11 In Stock
50.00	1,300.00	1340 - 1650	600 - 1285	600 - 1650	#89-680	₹44,764 Volume Pricing	Contact Us



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