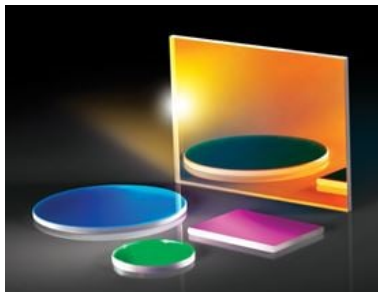


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TECHSPEC® Dichroic Longpass Filters



- Ideal for Fluorescence or Multispectral Imaging
- Sharp Cut-On Wavelength
- Broad Transmission and Reflection Ranges

Common Specifications

Physical & Mechanical Properties

Thickness (mm):	1.05 ±0.1	Dimensional Tolerance (mm):	+0.0/-0.2
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		

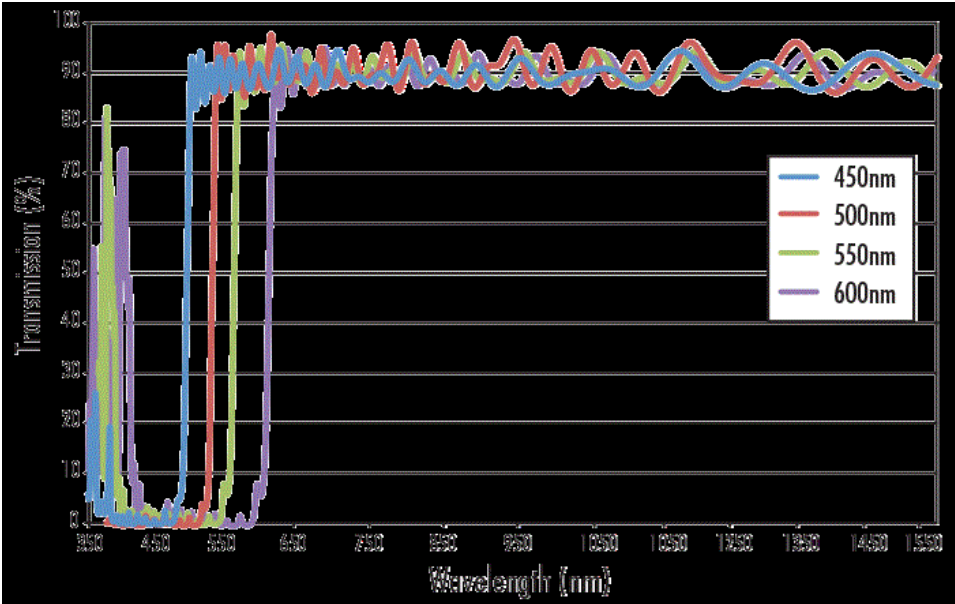
Optical Properties

Angle of Incidence (°):	45		
Substrate:	Fused Silica (Corning 7980)	Coating:	Hard Coated
Reflection (%):	>97, Average Polarization >95, Absolute Polarization	Surface Quality:	60-40
Transmission (%):	>85, Average Polarization >80, Absolute Polarization	Transmitted Wavefront Tolerance:	λ/4
Cut-On Tolerance (%):	±2	Slope Factor (%):	3.00

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



Products

Dimensions (mm)	Dia. (mm)	Cut-On Wavelength (nm)	Thickness (mm)	Reflection Wavelength (nm)	Transmission Wavelength (nm)	Stock Number	Price	Buy
-	12.50	400.00	1.05	350 - 375	420 - 1600	#69-864	£113.82 Volume Pricing	1 In Stock
12.5 x 17.6	-	400.00	1.05	350 - 375	420 - 1600	#69-875	£113.82 Volume Pricing	20+ In Stock
-	25.00	400.00	1.05	350 - 375	420 - 1600	#69-886	£152.34 Volume Pricing	Contact Us
25.2 x 35.6	-	400.00	1.05	350 - 375	420 - 1600	#69-897	£152.34 Volume Pricing	16 In Stock
-	12.50	450.00	1.05	350 - 430	470 - 1600	#69-865	£113.82 Volume Pricing	4 In Stock
12.5 x 17.6	-	450.00	1.05	350 - 430	470 - 1600	#69-876	£113.82 Volume Pricing	20+ In Stock
-	25.00	450.00	1.05	350 - 430	470 - 1600	#69-887	£152.34 Volume Pricing	Contact Us
25.2 x 35.6	-	450.00	1.05	350 - 430	470 - 1600	#69-898	£152.34 Volume Pricing	14 In Stock
-	12.50	500.00	1.05	350 - 480	520 - 1600	#69-866	£113.82 Volume Pricing	5 In Stock
12.5 x 17.6	-	500.00	1.05	350 - 480	520 - 1600	#69-877	£113.82 Volume Pricing	20+ In Stock
-	25.00	500.00	1.05	350 - 480	520 - 1600	#69-888	£152.34 Volume Pricing	2 In Stock
25.2 x 35.6	-	500.00	1.05	350 - 480	520 - 1600	#69-899	£152.34 Volume Pricing	5 In Stock
-	12.50	550.00	1.05	415 - 515	575 - 1600	#69-867	£113.82 Volume Pricing	20+ In Stock
12.5 x 17.6	-	550.00	1.05	415 - 515	575 - 1600	#69-878	£113.82 Volume Pricing	20+ In Stock
-	25.00	550.00	1.05	415 - 515	575 - 1600	#69-889	£152.34 Volume Pricing	2 In Stock
25.2 x 35.6	-	550.00	1.05	415 - 515	575 - 1600	#69-900	£152.34 Volume Pricing	17 In Stock
-	12.50	600.00	1.05	460 - 570	625 - 1600	#69-868	£113.82 Volume Pricing	20+ In Stock
12.5 x 17.6	-	600.00	1.05	460 - 570	625 - 1600	#69-879	£113.82 Volume Pricing	5 In Stock
-	25.00	600.00	1.05	460 - 570	625 - 1600	#69-890	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	600.00	1.05	460 - 570	625 - 1600	#69-901	£152.34 Volume Pricing	8 In Stock

-	12.50	650.00	1.05	495 - 610	675 - 1600	#69-869	£113.82 Volume Pricing	17 In Stock
12.5 x 17.6	-	650.00	1.05	495 - 610	675 - 1600	#69-880	£113.82 Volume Pricing	3 In Stock
-	25.00	650.00	1.05	495 - 610	675 - 1600	#69-891	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	650.00	1.05	495 - 610	675 - 1600	#69-902	£152.34 Volume Pricing	2 In Stock
-	12.50	700.00	1.05	535 - 660	725 - 1600	#69-870	£113.82 Volume Pricing	4 In Stock
12.5 x 17.6	-	700.00	1.05	535 - 660	725 - 1600	#69-881	£113.82 Volume Pricing	2 In Stock
-	25.00	700.00	1.05	535 - 660	725 - 1600	#69-892	£152.34 Volume Pricing	5 In Stock
25.2 x 35.6	-	700.00	1.05	535 - 660	725 - 1600	#69-903	£152.34 Volume Pricing	2 In Stock
-	12.50	750.00	1.05	565 - 715	780 - 1600	#69-871	£115.57 Volume Pricing	13 In Stock
12.5 x 17.6	-	750.00	1.05	565 - 715	780 - 1600	#69-882	£115.57 Volume Pricing	2 In Stock
-	25.00	750.00	1.05	565 - 715	780 - 1600	#69-893	£157.59 Volume Pricing	20+ In Stock
25.2 x 35.6	-	750.00	1.05	565 - 715	780 - 1600	#69-904	£157.59 Volume Pricing	20+ In Stock
-	12.50	800.00	1.05	600 - 760	830 - 1600	#69-872	£115.57 Volume Pricing	6 In Stock
12.5 x 17.6	-	800.00	1.05	600 - 760	830 - 1600	#69-883	£115.57 Volume Pricing	20+ In Stock
-	25.00	800.00	1.05	600 - 760	830 - 1600	#69-894	£157.59 Volume Pricing	2 In Stock
25.2 x 35.6	-	800.00	1.05	600 - 760	830 - 1600	#69-905	£157.59 Volume Pricing	7 In Stock
-	12.50	850.00	1.05	635 - 805	880 - 1600	#69-873	£115.57 Volume Pricing	Contact Us
12.5 x 17.6	-	850.00	1.05	635 - 805	880 - 1600	#69-884	£115.57 Volume Pricing	5 In Stock
-	25.00	850.00	1.05	635 - 805	880 - 1600	#69-895	£157.59 Volume Pricing	3 In Stock
25.2 x 35.6	-	850.00	1.05	635 - 805	880 - 1600	#69-906	£157.59 Volume Pricing	4 In Stock
-	12.50	900.00	1.05	675 - 855	935 - 1600	#69-874	£115.57 Volume Pricing	3 In Stock
12.5 x 17.6	-	900.00	1.05	675 - 855	935 - 1600	#69-885	£115.57 Volume Pricing	2 In Stock
-	25.00	900.00	1.05	675 - 855	935 - 1600	#69-896	£157.59 Volume Pricing	5 In Stock
25.2 x 35.6	-	900.00	1.05	675 - 855	935 - 1600	#69-907	£157.59 Volume Pricing	16 In Stock

-	12.50	950.00	1.05	715 - 900	985 - 1600	#87-027	£115.57 Volume Pricing	5 In Stock
12.5 x 17.6	-	950.00	1.05	715 - 900	985 - 1600	#87-033	£115.57 Volume Pricing	3 In Stock
-	25.00	950.00	1.05	715 - 900	985 - 1600	#87-039	£157.59 Volume Pricing	5 In Stock
25.2 x 35.6	-	950.00	1.05	715 - 900	985 - 1600	#87-045	£157.59 Volume Pricing	6 In Stock
-	12.50	1,000.00	1.05	750 - 950	1035 - 1600	#87-028	£119.07 Volume Pricing	17 In Stock
12.5 x 17.6	-	1,000.00	1.05	750 - 950	1035 - 1600	#87-034	£119.07 Volume Pricing	9 In Stock
-	25.00	1,000.00	1.05	750 - 950	1035 - 1600	#87-040	£161.97 Volume Pricing	2 In Stock
25.2 x 35.6	-	1,000.00	1.05	750 - 950	1035 - 1600	#87-046	£161.97 Volume Pricing	2 In Stock
-	12.50	1,050.00	1.05	790 - 1000	1085 - 1600	#87-029	£119.07 Volume Pricing	3 In Stock
12.5 x 17.6	-	1,050.00	1.05	790 - 1000	1085 - 1600	#87-035	£115.57 Volume Pricing	20+ In Stock
-	25.00	1,050.00	1.05	790 - 1000	1085 - 1600	#87-041	£161.97 Volume Pricing	2 In Stock
25.2 x 35.6	-	1,050.00	1.05	790 - 1000	1085 - 1600	#87-047	£161.97 Volume Pricing	20+ In Stock
-	12.50	1,100.00	1.05	825 - 1045	1135 - 1600	#87-030	£119.07 Volume Pricing	3 In Stock
12.5 x 17.6	-	1,100.00	1.05	825 - 1045	1135 - 1600	#87-036	£119.07 Volume Pricing	20+ In Stock
-	25.00	1,100.00	1.05	825 - 1045	1135 - 1600	#87-042	£161.97 Volume Pricing	20+ In Stock
25.2 x 35.6	-	1,100.00	1.05	825 - 1045	1135 - 1600	#87-048	£161.97 Volume Pricing	4 In Stock
-	12.50	1,150.00	1.05	875 - 1095	1190 - 1600	#87-031	£119.07 Volume Pricing	2 In Stock
12.5 x 17.6	-	1,150.00	1.05	875-1095	1190 - 1600	#87-037	£119.07 Volume Pricing	20+ In Stock
-	25.00	1,150.00	1.05	875 - 1095	1190 - 1600	#87-043	£161.97 Volume Pricing	7 In Stock
25.2 x 35.6	-	1,150.00	1.05	875 - 1095	1190 - 1600	#87-049	£161.97 Volume Pricing	3 In Stock
-	12.50	1,200.00	1.05	920 - 1160	1240 - 1600	#87-032	£119.07 Volume Pricing	Contact Us
12.5 x 17.6	-	1,200.00	1.05	920 - 1160	1240 - 1600	#87-038	£119.07 Volume Pricing	4 In Stock
-	25.00	1,200.00	1.05	920 - 1160	1240 - 1600	#87-044	£161.97 Volume Pricing	6 In Stock

25.2 x 35.6 - 1,200.00 1.05 920 - 1160 1240 - 1600 [#87-050](#) £161.97 1 In Stock
[Volume Pricing](#)



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