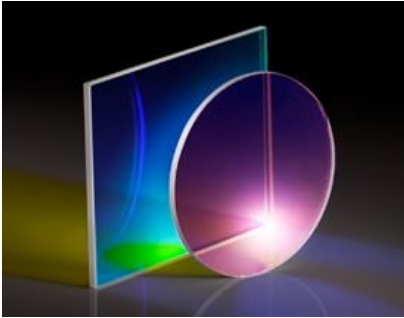


[All Products](#) / [Optics](#) / [Optical Filters](#) / [Shortpass Filters](#)

TECHSPEC® Dichroic Shortpass Filters



- Sharp Cut-Off Wavelength
- Broad Transmission and Reflection Ranges
- Available in a Range of Common Sizes

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		

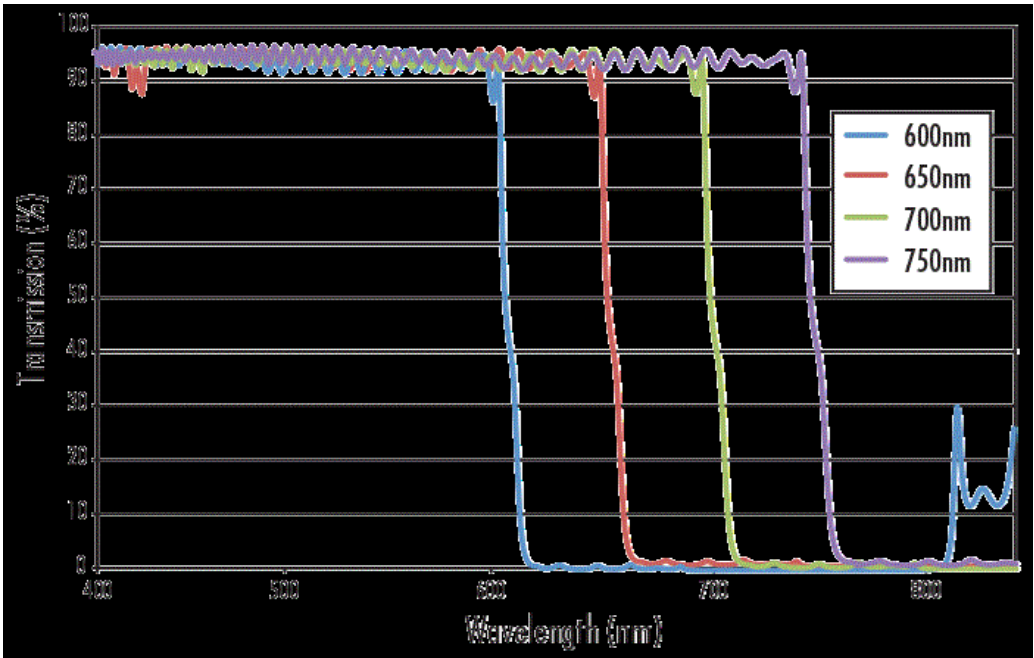
Optical Properties

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

Dimensions (mm)	Dia. (mm)	Cut-Off Wavelength (nm)	Transmission Wavelength (nm)	Wavelength Range (nm)	Stock Number	Price	Buy
-	12.50	400.00	325 - 385	325 - 485	#69-176	£113.82 Volume Pricing	3 In Stock
-	12.50	450.00	325 - 430	325 - 545	#69-177	£113.82 Volume Pricing	1 In Stock
-	12.50	500.00	325 - 480	325 - 610	#69-178	£113.82 Volume Pricing	20+ In Stock
-	12.50	550.00	400 - 530	400 - 725	#69-179	£113.82 Volume Pricing	3 In Stock
-	12.50	600.00	400 - 580	400 - 795	#69-180	£113.82 Volume Pricing	20+ In Stock
-	12.50	650.00	400 - 630	400 - 850	#69-181	£113.82 Volume Pricing	11 In Stock
-	12.50	700.00	400 - 680	400 - 900	#69-182	£113.82 Volume Pricing	Contact Us
-	12.50	750.00	400 - 725	400 - 990	#69-183	£115.57 Volume Pricing	Contact Us
-	12.50	800.00	400 - 775	400 - 1050	#69-184	£115.57 Volume Pricing	1 In Stock
-	12.50	850.00	400 - 820	400 - 1110	#69-185	£115.57 Volume Pricing	2 In Stock
-	12.50	900.00	465 - 865	465 - 1170	#69-186	£115.57 Volume Pricing	13 In Stock
12.5 x 17.6	-	400.00	325 - 385	325 - 485	#69-188	£113.82 Volume Pricing	2 In Stock
12.5 x 17.6	-	450.00	325 - 430	325 - 545	#69-189	£113.82 Volume Pricing	2 In Stock
12.5 x 17.6	-	500.00	325 - 480	325 - 610	#69-190	£113.82 Volume Pricing	20+ In Stock
12.5 x 17.6	-	550.00	400 - 530	400 - 725	#69-191	£113.82 Volume Pricing	20+ In Stock
12.5 x 17.6	-	600.00	400 - 580	400 - 795	#69-192	£113.82 Volume Pricing	6 In Stock
12.5 x 17.6	-	650.00	400 - 630	400 - 850	#69-193	£113.82 Volume Pricing	1 In Stock
12.5 x 17.6	-	700.00	400 - 680	400 - 900	#69-194	£113.82 Volume Pricing	11 In Stock
12.5 x 17.6	-	750.00	400 - 725	400 - 990	#69-195	£115.57 Volume Pricing	20+ In Stock

12.5 x 17.6	-	800.00	400 - 775	400 - 1050	#69-196	£115.57 Volume Pricing	10 In Stock
12.5 x 17.6	-	850.00	400 - 820	400 - 1110	#69-197	£115.57 Volume Pricing	9 In Stock
12.5 x 17.6	-	900.00	465 - 865	465 - 1170	#69-198	£115.57 Volume Pricing	20+ In Stock
-	25.00	400.00	325 - 385	325 - 485	#69-200	£152.34 Volume Pricing	5 In Stock
-	25.00	450.00	325 - 430	325 - 545	#69-201	£152.34 Volume Pricing	20+ In Stock
-	25.00	500.00	325 - 480	325 - 610	#69-202	£152.34 Volume Pricing	16 In Stock
-	25.00	550.00	400 - 530	400 - 725	#69-203	£152.34 Volume Pricing	20+ In Stock
-	25.00	600.00	400 - 580	400 - 795	#69-204	£152.34 Volume Pricing	13 In Stock
-	25.00	650.00	400 - 630	400 - 850	#69-205	£152.34 Volume Pricing	3 In Stock
-	25.00	700.00	400 - 680	400 - 900	#69-206	£152.34 Volume Pricing	3 In Stock
-	25.00	750.00	400 - 725	400 - 990	#69-207	£157.59 Volume Pricing	20+ In Stock
-	25.00	800.00	400 - 775	400 - 1050	#69-208	£157.59 Volume Pricing	3 In Stock
-	25.00	850.00	400 - 820	400 - 1110	#69-209	£157.59 Volume Pricing	2 In Stock
-	25.00	900.00	465 - 865	465 - 1170	#69-210	£157.59 Volume Pricing	20+ In Stock
25.2 x 35.6	-	400.00	325 - 385	325 - 485	#69-212	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	450.00	325 - 430	325 - 545	#69-213	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	500.00	325 - 480	325 - 610	#69-214	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	550.00	400 - 530	400 - 725	#69-215	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	600.00	400 - 580	400 - 795	#69-216	£152.34 Volume Pricing	4 In Stock
25.2 x 35.6	-	650.00	400 - 630	400 - 850	#69-217	£152.34 Volume Pricing	20+ In Stock
25.2 x 35.6	-	700.00	400 - 680	400 - 900	#69-218	£152.34 Volume Pricing	7 In Stock

25.2 x 35.6	-	750.00	400 - 725	400 - 990	#69-219	£157.59 Volume Pricing	9 In Stock
25.2 x 35.6	-	800.00	400 - 775	400 - 1050	#69-220	£157.59 Volume Pricing	20+ In Stock
25.2 x 35.6	-	850.00	400 - 820	400 - 1110	#69-221	£157.59 Volume Pricing	20+ In Stock
25.2 x 35.6	-	900.00	465 - 865	465 - 1170	#69-222	£157.59 Volume Pricing	20+ In Stock
-	12.50	950.00	495 - 912	495 - 1235	#86-676	£115.57 Volume Pricing	Contact Us
-	12.50	1,000.00	520 - 960	520 - 1300	#86-677	£119.07 Volume Pricing	1 In Stock
-	12.50	1,050.00	546 - 1008	546 - 1365	#86-678	£119.07 Volume Pricing	Contact Us
-	12.50	1,100.00	572 - 1056	572 - 1430	#86-679	£119.07 Volume Pricing	20+ In Stock
-	12.50	1,200.00	624 - 1152	624 - 1560	#86-681	£119.07 Volume Pricing	4 In Stock
12.5 x 17.6	-	950.00	495 - 912	495 - 1235	#86-682	£115.57 Volume Pricing	4 In Stock
12.5 x 17.6	-	1,000.00	520 - 960	520 - 1300	#86-683	£119.07 Volume Pricing	2 In Stock
12.5 x 17.6	-	1,050.00	546 - 1008	546 - 1365	#86-684	£119.07 Volume Pricing	1 In Stock
12.5 x 17.6	-	1,100.00	572 - 1056	572 - 1430	#86-685	£119.07 Volume Pricing	8 In Stock
12.5 x 17.6	-	1,150.00	598 - 1104	598 - 1495	#86-686	£119.07 Volume Pricing	20+ In Stock
12.5 x 17.6	-	1,200.00	624 - 1152	624 - 1560	#86-687	£119.07 Volume Pricing	20+ In Stock
-	25.00	950.00	495 - 912	495 - 1325	#86-688	£157.59 Volume Pricing	Contact Us
-	25.00	1,000.00	520 - 960	520 - 1300	#86-689	£161.97 Volume Pricing	1 In Stock
-	25.00	1,050.00	546 - 1008	546 - 1365	#86-690	£161.97 Volume Pricing	10 In Stock
-	25.00	1,100.00	572 - 1056	572 - 1430	#86-691	£161.97 Volume Pricing	5 In Stock
-	25.00	1,150.00	598 - 1104	598 - 1495	#86-692	£161.97 Volume Pricing	16 In Stock
-	25.00	1,200.00	624 - 1152	624 - 1560	#86-693	£161.97 Volume Pricing	20+ In Stock
25.2 x 35.6	-	950.00	495 - 912	495 - 1235	#86-694	£157.59 Volume Pricing	3 In Stock

25.2 x 35.6	-	1,000.00	520 - 960	520 - 1300	#86-695	£161.97 Volume Pricing	16 In Stock
25.2 x 35.6	-	1,050.00	546 - 1008	546 - 1365	#86-696	£161.97 Volume Pricing	1 In Stock
25.2 x 35.6	-	1,100.00	572 - 1056	572 - 1430	#86-697	£161.97 Volume Pricing	1 In Stock
25.2 x 35.6	-	1,150.00	598 - 1104	598 - 1495	#86-698	£161.97 Volume Pricing	13 In Stock
25.2 x 35.6	-	1,200.00	624 - 1152	624 - 1560	#86-699	£161.97 Volume Pricing	10 In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK
 Phone: 1-800-363-1992 :
www.edmundoptics.com