

TECHSPEC®

High Performance Fluorescence Dichroic Filters



- Improved Flatness, Transmitted Wavefront, and Surface Quality
- Ideal for Fluorescence Microscopy or High Magnification Imaging Applications
- Most Popular Cut-On Wavelengths of Fluorescence and Longpass Dichroic Filters
- Standard [Fluorescence Dichroic Filters](#) are also available

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 (%):	R _{avg} >98%	Surface Quality:	40-20
Transmission (%):	T _{avg} >90%	Transmitted Wavefront, RMS:	λ/10
Surface Flatness (P-V):	λ/2		

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)	Cut-On Wavelength (nm)	Thickness (mm)	Reflection Wavelength (nm)	Transmission Wavelength (nm)	Wavelength Range (nm)	Stock Number	Price	Buy
12.5 x 17.6	409.00	1.05	325 - 404	415 - 850	325 - 850	#34-724	£262.65 Volume Pricing	15 In Stock
25.2 x 35.6	409.00	1.05	325 - 404	415 - 850	325 - 850	#34-725	£427.24 Volume Pricing	2 In Stock
12.5 x 17.6	435.00	1.05	325 - 425	444 - 850	325 - 850	#34-726	£262.65 Volume Pricing	20+ In Stock
25.2 x 35.6	435.00	1.05	325 - 425	444 - 850	325 - 850	#34-727	£427.24 Volume Pricing	5 In Stock
12.5 x 17.6	450.00	1.05	350 - 430	457 - 850	350 - 850	#34-728	£262.65 Volume Pricing	12 In Stock
25.2 x 35.6	450.00	1.05	350 - 430	457 - 850	350 - 850	#34-729	£427.24 Volume Pricing	11 In Stock
12.5 x 17.6	482.00	1.05	350 - 470	490 - 850	350 - 850	#34-730	£262.65 Volume Pricing	20+ In Stock
25.2 x 35.6	482.00	1.05	350 - 470	490 - 850	350 - 850	#34-731	£427.24 Volume Pricing	11 In Stock
12.5 x 17.6	495.00	1.05	435 - 488	502 - 730	435 - 730	#34-732	£262.65 Volume Pricing	11 In Stock
25.2 x 35.6	495.00	1.05	435 - 488	502 - 730	435 - 730	#34-733	£427.24 Volume Pricing	Contact Us
12.5 x 17.6	506.00	1.05	440 - 500	513 - 730	440 - 730	#34-734	£262.65 Volume Pricing	2 In Stock
25.2 x 35.6	506.00	1.05	440 - 500	513 - 730	440 - 730	#34-735	£427.24 Volume Pricing	4 In Stock
12.5 x 17.6	552.00	1.05	350 - 544	558 - 850	350 - 850	#34-736	£262.65 Volume Pricing	20+ In Stock
25.2 x 35.6	552.00	1.05	350 - 544	558 - 850	350 - 850	#34-737	£427.24 Volume Pricing	3 In Stock
12.5 x 17.6	600.00	1.05	460 - 570	607 - 900	460 - 900	#34-738	£262.65 Volume Pricing	1 In Stock
25.2 x 35.6	600.00	1.05	460 - 570	607 - 900	460 - 900	#34-739	£427.24 Volume Pricing	3 In Stock
12.5 x 17.6	605.00	1.05	350 - 596	612 - 950	350 - 950	#34-740	£262.65 Volume Pricing	1 In Stock
25.2 x 35.6	605.00	1.05	350 - 596	612 - 950	350 - 950	#34-741	£427.24 Volume Pricing	4 In Stock
12.5 x 17.6	660.00	1.05	580 - 651	670 - 800	580 - 800	#34-742	£262.65 Volume Pricing	5 In Stock
25.2 x 35.6	660.00	1.05	580 - 651	670 - 800	580 - 800	#34-743	£427.24 Volume Pricing	12 In Stock
12.5 x 17.6	750.00	1.05	565 - 715	757 - 900	565 - 900	#34-744	£262.65 Volume Pricing	5 In Stock

25.2 x 35.6	750.00	1.05	565 - 715	757 - 900	565 - 950	#34-745	£427.24 Volume Pricing	14 In Stock
12.5 x 17.6	800.00	1.05	600 - 760	807 - 1000	600 - 1000	#34-746	£262.65 Volume Pricing	2 In Stock
25.2 x 35.6	800.00	1.05	600 - 760	807 - 1000	600 - 1000	#34-747	£427.24 Volume Pricing	2 In Stock
12.5 x 17.6	850.00	1.05	635 - 805	857 - 1050	635 - 1050	#34-748	£262.65 Volume Pricing	4 In Stock
25.2 x 35.6	850.00	1.05	635 - 805	857 - 1050	635 - 1050	#34-749	£427.24 Volume Pricing	2 In Stock



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