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TECHSPEC® Unmounted Fluorescence Bandpass Filters



- Designed for Use With Common Fluorophores
- Excitation and Emission Filters Available
- High Transmission with Deep >OD 6.0 Blocking
- Mounted [Fluorescence Filters](#) and [Mounted Fluorescence Filter Sets](#) Also Available

Common Specifications

Physical & Mechanical Properties

Thickness (mm):	2.00 ±0.1	Construction:	Unmounted
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	Bevel:	Protective as needed

Optical Properties

Angle of Incidence (°):	0 ±5	Optical Density OD (Average):	≥6.0
Substrate:	Fused Silica (Corning 7980)	Coating:	Hard Coated
Surface Quality:	60-40	Transmitted Wavefront, RMS:	λ/4 (prior to coating)

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

Dia. (mm)	CWL (nm)	FWHM (nm)	Minimum Transmission (%)	Compatible Fluorophore	Blocking Wavelength Range (nm)	Stock Number	Price	Buy
12.50	357.00	48.00	75	Tryptophan Emission	250 - 1100	#18-366	S\$371.00 Volume Pricing	1 In Stock
25.00	357.00	48.00	75	Tryptophan Emission	250 - 1100	#18-384	S\$476.00 Volume Pricing	5 In Stock
12.50	370.00	40.00	85	Sirius Excitation	250 - 1100	#18-367	S\$371.00 Volume Pricing	10 In Stock
25.00	370.00	40.00	85	Sirius Excitation	250 - 1100	#18-385	S\$476.00 Volume Pricing	1 In Stock
12.50	387.00	15.00	90	DAPI Excitation / BFP & CFP Excitation	250 -1050	#18-368	S\$371.00 Volume Pricing	20+ In Stock
25.00	387.00	15.00	90	DAPI Excitation / BFP & CFP Excitation	250 -1050	#18-386	S\$476.00 Volume Pricing	8 In Stock
12.50	448.00	25.00	93	442nm Laser Excitation	250 - 1100	#18-369	S\$371.00 Volume Pricing	10 In Stock
25.00	448.00	25.00	93	442nm Laser Excitation	250 - 1100	#18-387	S\$476.00 Volume Pricing	20+ In Stock
12.50	472.00	35.00	93	GFP Excitation	250 - 1100	#18-370	S\$371.00 Volume Pricing	4 In Stock
25.00	472.00	35.00	93	GFP Excitation	250 - 1100	#18-388	S\$476.00 Volume Pricing	20+ In Stock
12.50	482.50	36.00	93	FITC Excitation / CFP Emission	250 - 1100	#18-371	S\$371.00 Volume Pricing	20+ In Stock
25.00	482.50	36.00	93	FITC Excitation / CFP Emission	250 - 1100	#18-389	S\$476.00 Volume Pricing	1 In Stock
12.50	520.00	41.00	93	GFP Emission	250 -1025	#18-372	S\$371.00 Volume Pricing	20+ In Stock
25.00	520.00	41.00	93	GFP Emission	250 -1025	#18-390	S\$476.00 Volume Pricing	4 In Stock
12.50	534.00	25.00	93	SpectrumGold™ Excitation	250 - 1100	#18-373	S\$371.00 Volume Pricing	20+ In Stock
25.00	534.00	25.00	93	SpectrumGold™ Excitation	250 - 1100	#18-391	S\$476.00 Volume Pricing	3 In Stock
12.50	534.50	48.00	93	Cy3 Excitation / FITC Emission	250 - 1100	#18-374	S\$371.00 Volume Pricing	12 In Stock
25.00	534.50	48.00	93	Cy3 Excitation / FITC Emission	250 - 1100	#18-392	S\$476.00 Volume Pricing	20+ In Stock

12.50	572.00	33.00	93	SpectrumGold™ Emission	250 -1120	#18-375	S\$371.00 Volume Pricing	20+ In Stock
25.00	572.00	33.00	93	SpectrumGold™ Emission	250 -1120	#18-393	S\$476.00 Volume Pricing	Contact Us
12.50	586.00	26.00	93	SpectrumOrange™ Emission / SpectrumRed™ Excitation	250 -1120	#18-376	S\$371.00 Volume Pricing	4 In Stock
25.00	586.00	26.00	93	SpectrumOrange™ Emission / SpectrumRed™ Excitation	250 -1120	#18-394	S\$476.00 Volume Pricing	1 In Stock
12.50	615.00	26.00	93	Alexa Fluor® 594 Emission / Cy3 Emission	250 - 1100	#18-377	S\$371.00 Volume Pricing	20+ In Stock
25.00	615.00	26.00	93	Alexa Fluor® 594 Emission / Cy3™ Emission	250 - 1100	#18-395	S\$476.00 Volume Pricing	2 In Stock
12.50	623.00	30.00	93	Cy5 Excitation / Texas Red® Emission	250 - 1100	#18-378	S\$371.00 Volume Pricing	2 In Stock
25.00	623.00	30.00	93	Cy5 Excitation / Texas Red® Emission	250 - 1100	#18-396	S\$476.00 Volume Pricing	20+ In Stock
12.50	624.00	46.00	93	Texas Red Emission / Cy5 Excitation	250 -1000	#18-379	S\$371.00 Volume Pricing	20+ In Stock
25.00	624.00	46.00	93	Texas Red Emission / Cy5 Excitation	250 -1000	#18-397	S\$476.00 Volume Pricing	6 In Stock
12.50	628.00	38.00	93	SpectrumRed™ Emission / Cy5 Excitation	250 - 1100	#18-380	S\$371.00 Volume Pricing	Contact Us
25.00	628.00	38.00	93	SpectrumRed™ Emission / Cy5 Excitation	250 - 1100	#18-398	S\$476.00 Volume Pricing	5 In Stock
12.50	676.00	36.00	93	Cy5 Emission	250 - 1100	#18-381	S\$371.00 Volume Pricing	20+ In Stock
25.00	676.00	36.00	93	Cy5 Emission	250 - 1100	#18-399	S\$476.00 Volume Pricing	6 In Stock
12.50	692.00	47.00	93	Cy5 Emission	250 - 1100	#18-382	S\$371.00 Volume Pricing	20+ In Stock
25.00	692.00	47.00	93	Cy5 Emission	250 - 1100	#18-400	S\$476.00 Volume Pricing	16 In Stock
12.50	832.00	45.00	93	ICG-A Excitation	250 - 1100	#18-383	S\$371.00 Volume Pricing	1 In Stock
25.00	832.00	45.00	93	ICG-A Excitation	250 - 1100	#18-401	S\$476.00 Volume Pricing	Contact Us



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Phone: 1-800-363-1992 :

www.edmundoptics.com