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TECHSPEC®

Multi-Band Fluorescence Bandpass Filters



- Multiple Pass Bands on a Single Filter
- High Peak Transmission, Excellent Blocking
- Ideal for Simultaneous Viewing of Multiple Fluorophores
- For Optimal Performance Pair with [Multi-Edge Fluorescence Dichroic Filters](#)

Common Specifications

Physical & Mechanical Properties

Construction:	Mounted in Black Anodized Ring	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
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Substrate Thickness (mm):	2.00 ±0.25
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Optical Properties

Angle of Incidence (°):	0	Substrate:	Fused Silica (Corning 7980)
Optical Density OD (Average):	≥6.0		
Coating:	Hard Coated		
Transmission (%):	>90		
		Surface Quality:	60-40
		Blocking Wavelength Range (nm):	250 - 1100

Threading & Mounting

Mount Thickness (mm):	3.5 ±0.1
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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



All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.

Products

Dia. (mm)	Multi-Band Center Wavelengths (nm)	Minimum Transmission (%)	Compatible Fluorophore	Blocking Wavelength Range (nm)	Substrate Thickness (mm)	Stock Number	Price	Buy
12.50	433, 530	-	DAPI & FITC Emission	250 - 1100	2.00	#87-232	S\$488.60 Volume Pricing	14 In Stock
25.00	433, 530	-	DAPI & FITC Emission	250 - 1100	2.00	#87-240	S\$638.40 Volume Pricing	Contact Us
50.00	433, 530	-	DAPI & FITC Emission	250 - 1100	2.00	#87-248	S\$1,495.20 Volume Pricing	5 In Stock
12.50	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-233	S\$488.60 Volume Pricing	1 In Stock
25.00	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-241	S\$638.40 Volume Pricing	1 In Stock
50.00	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-249	S\$1,495.20 Volume Pricing	1 In Stock
12.50	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-236	S\$519.40 Volume Pricing	1 In Stock
25.00	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-244	S\$700.00 Volume Pricing	1 In Stock
50.00	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-252	S\$1,670.20 Volume Pricing	3 In Stock
12.50	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-237	S\$519.40 Volume Pricing	1 In Stock
25.00	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-245	S\$700.00 Volume Pricing	8 In Stock
50.00	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-253	S\$1,670.20 Volume Pricing	1 In Stock
12.50	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-238	S\$519.40 Volume Pricing	1 In Stock
25.00	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-246	S\$700.00 Volume Pricing	Contact Us
50.00	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-254	S\$1,670.20 Volume Pricing	1 In Stock
12.50	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-239	S\$585.20 Volume Pricing	2 In Stock
25.00	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-247	S\$786.80 Volume Pricing	2 In Stock
50.00	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-255	S\$1,888.60 Volume Pricing	1 In Stock
12.50	577, 690	-	CY3 & CY5 Emission	250 - 1100	2.00	#87-235	S\$488.60 Volume Pricing	10 In Stock
25.00	577, 690	-	CY3 & CY5 Emission	250 - 1100	2.00	#87-243	S\$638.40 Volume Pricing	3 In Stock



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