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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		
Blocking Wavelength Range (nm):		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	€329,00 Qty 10+ €276,00	3-4 days
25.00	433, 530	-	DAPI & FITC Emission	250 - 1100	2.00	#87-240	€430,00 Qty 10+ €358,00	3-4 days
50.00	433, 530	-	DAPI & FITC Emission	250 - 1100	2.00	#87-248	€1.008,00 Qty 10+ €838,00	3-4 days
12.50	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-233	€329,00 Qty 10+ €276,00	3-4 days
25.00	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-241	€430,00 Qty 10+ €358,00	3-4 days
50.00	512, 630	-	GFP & TRITC Emission	250 - 1100	2.00	#87-249	€1.008,00 Qty 10+ €838,00	3-4 days
12.50	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-236	€350,00 Qty 10+ €291,00	3-4 days
25.00	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-244	€472,00 Qty 10+ €394,00	3-4 days
50.00	432, 517, 615	-	DAPI/FITC/TRITC Emission	250 - 1100	2.00	#87-252	€1.125,00 Qty 10+ €935,00	3-4 days
12.50	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-237	€350,00 Qty 10+ €291,00	3-4 days
25.00	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-245	€472,00 Qty 10+ €394,00	3-4 days
50.00	457, 530, 628	-	DAPI/FITC/Texas Red Emission	250 - 1100	2.00	#87-253	€1.125,00 Qty 10+ €935,00	3-4 days
12.50	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-238	€350,00 Qty 10+ €291,00	In Stock
25.00	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-246	€472,00 Qty 10+ €394,00	3-4 days
50.00	464, 542, 639	-	CFP/YFP/Texas Red Emission	250 - 1100	2.00	#87-254	€1.125,00 Qty 10+ €935,00	3-4 days
12.50	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-239	€394,00 Qty 10+ €328,00	3-4 days
25.00	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-247	€530,00 Qty 10+ €440,00	In Stock
50.00	440, 521, 607, 700	-	DAPI/FITC/TRITC/CY5 Emission	250 - 1100	2.00	#87-255	€1.273,00 Qty 10+ €1.061,00	3-4 days
12.50	577, 690	-	CY3 & CY5 Emission	250 - 1100	2.00	#87-235	€329,00 Qty 10+ €276,00	In Stock
25.00	577, 690	-	CY3 & CY5 Emission	250 - 1100	2.00	#87-243	€430,00 Qty 10+ €358,00	3-4 days



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