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TECHSPEC® Dichroic Laser Beam Combiners



- Polarization Insensitive
- Hard Sputtered Coating
- Multiple Sizes Available

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
Substrate Thickness (mm):	2		

Optical Properties

Angle of Incidence (°):	45		
Substrate:	Fused Silica (Corning 7980)	Coating:	Hard Coated
Reflection (%):	>98	Surface Quality:	60-40
Transmission (%):	>95	Transmitted Wavefront, RMS:	<1λ

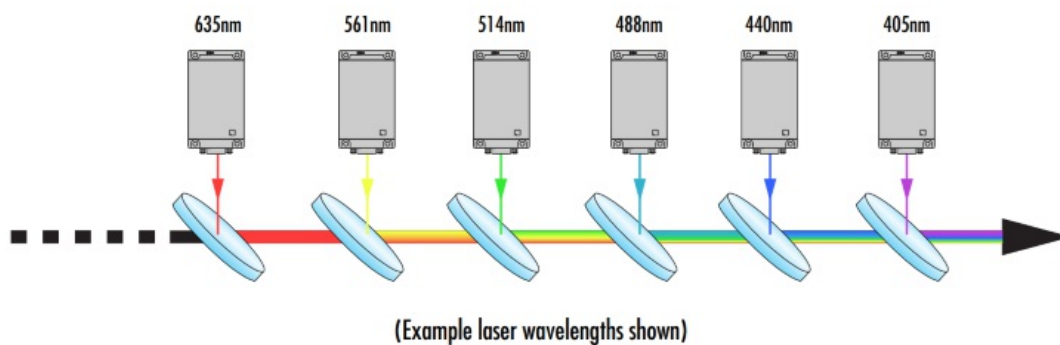
Threading & Mounting

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)	Cut-On Wavelength (nm)	Reflection Wavelength (nm)	Transmission Wavelength (nm)	Wavelength Range (nm)	Stock Number	Price	Buy
12.50	427.00	372 - 415	439 - 647.1	372 - 647	#86-382	A\$332.90 Volume Pricing	3 In Stock
25.00	427.00	372 - 415	439 - 647.1	372 - 647	#86-389	A\$461.44 Volume Pricing	3 In Stock
50.00	427.00	372 - 415	439 - 647.1	372 - 647	#86-396	A\$1,118.99 Volume Pricing	5 In Stock
12.50	466.00	439 - 457.9	473 - 647.1	439 - 647	#86-383	A\$332.90 Volume Pricing	3 In Stock
25.00	466.00	439 - 457.9	473 - 647.1	439 - 647	#86-390	A\$461.44 Volume Pricing	2 In Stock
50.00	466.00	439 - 457.9	473 - 647.1	439 - 647	#86-397	A\$1,118.99 Volume Pricing	1 In Stock
12.50	480.00	457.9 - 473	488 - 647.1	458 - 647	#86-384	A\$332.90 Volume Pricing	7 In Stock
25.00	480.00	457.9 - 473	488 - 647.1	458 - 647	#86-391	A\$461.44 Volume Pricing	7 In Stock
50.00	480.00	457.9 - 473	488 - 647.1	458 - 647	#86-398	A\$1,118.99 Volume Pricing	12 In Stock
12.50	503.00	473 - 491	514.5 - 647.1	473 - 647	#86-385	A\$332.90 Volume Pricing	5 In Stock
25.00	503.00	473 - 491	514.5 - 647.1	473 - 647	#86-392	A\$461.44 Volume Pricing	6 In Stock
50.00	503.00	473 - 491	514.5 - 647.1	473 - 647	#86-399	A\$1,118.99 Volume Pricing	1 In Stock
12.50	552.00	514.5 - 543.5	561.4 - 790	515 - 790	#86-386	A\$332.90 Volume Pricing	Contact Us
25.00	552.00	514.5 - 543.5	561.4 - 790	515 - 790	#86-393	A\$461.44 Volume Pricing	3 In Stock
50.00	552.00	514.5 - 543.5	561.4 - 790	515 - 790	#86-400	A\$1,118.99 Volume Pricing	3 In Stock
12.50	613.00	561.4 - 594.1	632.8 - 790	561 - 790	#86-387	A\$332.90 Volume Pricing	4 In Stock
25.00	613.00	561.4 - 594.1	632.8 - 790	561 - 790	#86-394	A\$461.44 Volume Pricing	20+ In Stock
50.00	613.00	561.4 - 594.1	632.8 - 790	561 - 790	#86-401	A\$1,118.99 Volume Pricing	1 In Stock

12.50	659.00	632.8 - 647.1	671 - 790	633 - 790	#86-388	A\$332.90 Volume Pricing	10 In Stock
25.00	659.00	632.8 - 647.1	671 - 790	633 - 790	#86-395	A\$461.44 Volume Pricing	2 In Stock
50.00	659.00	632.8 - 647.1	671 - 790	633 - 790	#86-402	A\$1,118.99 Volume Pricing	4 In Stock



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Phone: 1-800-363-1992 :
www.edmundoptics.com