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TECHSPEC® 659nm, 25mm Diameter, Dichroic Laser Beam Combiner

TECHSPEC® Dichroic Laser Beam Combiners

Stock **#86-395** **2 In Stock**

- 1 + **MRP ₹25,722**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	**₹25,722** each
Qty 6-25	**₹20,210** each
Qty 26-49	**₹19,016** each
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Product Downloads

General

Type:

Dichroic Filter

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1

Clear Aperture CA (mm):

21.3

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

Cut-On Wavelength (nm):
659.00

Substrate:
Fused Silica (Corning 7980)

Coating:
Hard Coated

Reflected Laser Wavelength (nm):
632.8, 635, 647.1

Reflection (%):
>98

Reflection Wavelength (nm):
632.8 - 647.1

Surface Quality:
60-40

Transmission (%):
>95

Transmission Wavelength (nm):
671 - 790

Transmitted Laser Wavelength (nm):
671, 676.4, 785

Transmitted Wavefront, RMS:
<1λ

Wavelength Range (nm):
633 - 790

Threading & Mounting

Mount Thickness (mm):
3.5 ±0.1

Environmental & Durability Factors

Environmental Durability:
Humidity per MIL-STD-810H, Section 507.6
Temperature per MIL-STD-810H, Section 501.7 and 502.7

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

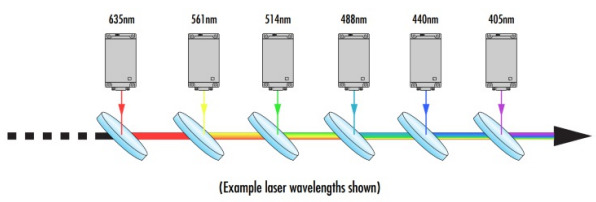
Product Details

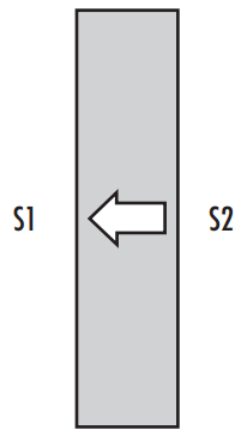
- Polarization Insensitive
- Hard Sputtered Coating
- Multiple Sizes Available

TECHSPEC® Dichroic Laser Beam Combiners are designed to efficiently combine or separate multiple laser beams at a 45° angle of incidence. The filters feature greater than 98% reflection and greater than 95% transmission at popular laser lines, yielding exceptionally low loss. These filters are available in a 12.5, 25, and 50mm diameters, with a range of cut-on, reflection, and transmission wavelengths. These filters are ideal for multi-laser fluorescence imaging and measurement applications, including laser microscopy and flow cytometry. TECHSPEC® Dichroic Laser Beam Combiners are constructed from low autofluorescence substrates with hard sputtered coatings. These filters are ideal for multi-laser fluorescence imaging and measurement applications, including laser microscopy and flow cytometry.

Note: These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 1 J/cm^2 @ 532nm, 10ns. Please **contact us** if you require a filter with a higher LIDT value.

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.

Compatible Mounts

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