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



TECHSPEC® Dichroic Laser Beam Combiners

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

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**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

25.00 +0.0/-0.1 **Diameter (mm):**

**Clear Aperture CA (mm):**

**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 (%):**

&gt;98

**Reflection Wavelength (nm):**

632.8 - 647.1

**Surface Quality:**

60-40

**Transmission (%):**

&gt;95

**Transmission Wavelength (nm):**

671 - 790

**Transmitted Laser Wavelength (nm):**

671, 676.4, 785

**Transmitted Wavefront, RMS:**

&lt;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

**Need different specs or modifications?**

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

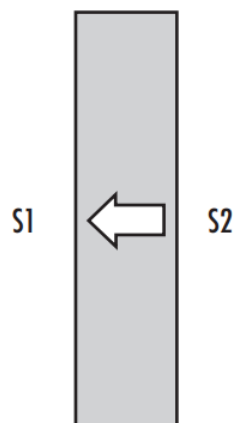
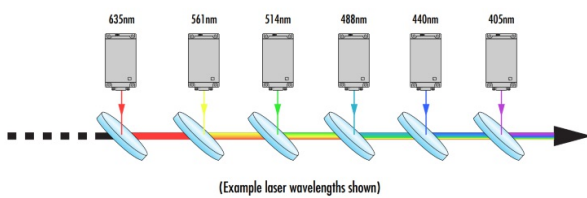
- Polarization Insensitive
- Hard Sputtered Coating
- Multiple Sizes Available

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 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). Atypical LIDT for these filters is 1 J/cm<sup>2</sup> @ 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