

TECHSPEC[®] 1000nm, 12.5mm Diameter, Dichroic Shortpass Filter



TECHSPEC Dichroic Shortpass Filters

Stock **#86-677** **1 In Stock**

-

1

+

C\$203⁰⁰

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Volume Pricing	
Qty 1-5	C\$203.00 each
Qty 6-25	C\$162.40 each
Qty 26-49	C\$154.00 each
Need More?	Request Quote

Product Downloads

General	
Dichroic Filter	Type:
Physical & Mechanical Properties	
12.50	Diameter (mm):
1.05 ±0.1	Thickness (mm):

Dimensional Tolerance (mm):	
+0.0/-0.2	
Physical Durability:	
Adhesion per ML-PRF-13830B, Section C.4.5.12	
Moderate abrasion per ML-PRF-13830B, Section C.4.5.11	
Cleaning per ML-C-48497A Section 4.5.4.2	
Optical Properties	
Angle of Incidence (°):	
45	
Cut-Off Wavelength (nm):	
1,000.00	
Substrate: ☐	
Fused Silica (Corning 7980)	
Coating:	
Hard Coated	
P-Polarization Transmission (%):	
>80	
Reflection (%):	
>97 Average Polarization	
Reflection Wavelength (nm):	
1050 - 1300	
S-Polarization Transmission (%):	
>80	
Surface Quality:	
60-40	
Transmission (%):	
>85 Average Polarization	
Transmission Wavelength (nm):	
520 - 960	
Transmitted Wavefront, RMS:	
λ/4	
Cut-Off Tolerance (%):	
±2	
S-Polarization Reflection (%):	
>95	
P-Polarization Reflection (%):	
>95	
Coating Specification:	
Surface 1: Hard Dielectric Sputtered	
Surface 2: AR Coated	
Wavelength Range (nm):	
520 - 1300	

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

Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
Compliant	

Custom

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

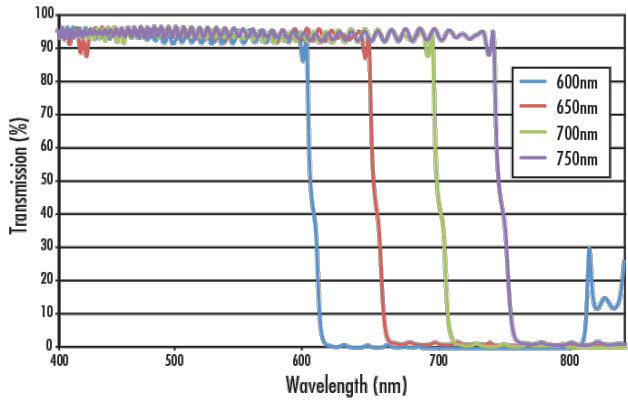
- Sharp Cut-Off Wavelength
- Broad Transmission and Reflection Ranges
- Available in a Range of Common Sizes

Our TECHSPEC® Dichroic Shortpass Filters are designed for a 45° angle of incidence. The rejected light is reflected at 90°, making these filters ideal for use in fluorescence applications or as spectral beamsplitters. The filters

feature low polarization dependence, broad spectral ranges, and a precision fused silica substrate. TECHSPEC® Dichroic Shortpass Filters have a sharp cut-off wavelength and are available in a wide range of sizes for ease of system integration. These filters can be combined with TECHSPEC® Dichroic Longpass Filters to create custom bandpass filters.

Note: The chevron on the edge of the filter points towards surface S1 with the primary filter coating on which the light should be incident.

Technical Information



Compatible Mounts