

TECHSPEC[®] 1050nm, 12.5 x 17.6mm, Dichroic Shortpass Filter



TECHSPEC Dichroic Shortpass Filters

Stock **#86-684** 1 In Stock

-

1

+

€150⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€150,00 each
Qty 6-25	€120,00 each
Qty 26-49	€114,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Dichroic Filter

Physical & Mechanical Properties

Dimensions (mm):

12.5 x 17.6

Length (mm):

17.60	
1.05 ±0.1	Thickness (mm):
12.50	Width (mm):
+0.0/-0.2	Dimensional Tolerance (mm):
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 ML-C-48497A Section 4.5.4.2	

Optical Properties	
45	Angle of Incidence (°):
1,050.00	Cut-Off Wavelength (nm):
Fused Silica (Coming 7980)	Substrate: □
Hard Coated	Coating:
>80	P-Polarization Transmission (%):
>97 Average Polarization	Reflection (%):
1102 - 1365	Reflection Wavelength (nm):
>80	S-Polarization Transmission (%):
60-40	Surface Quality:
>85 Average Polarization	Transmission (%):
546 - 1008	Transmission Wavelength (nm):
λ/4	Transmitted Wavefront, RMS:
±2	Cut-Off Tolerance (%):
>95	S-Polarization Reflection (%):
>95	P-Polarization Reflection (%):
Coating Specification: Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated	
546 - 1365	Wavelength Range (nm):

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

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](#).

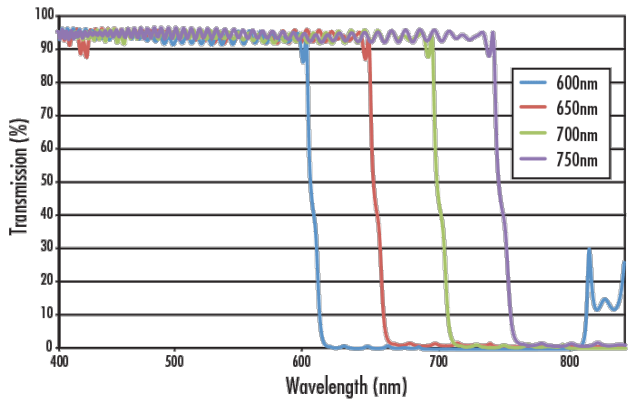
Product Details

- 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