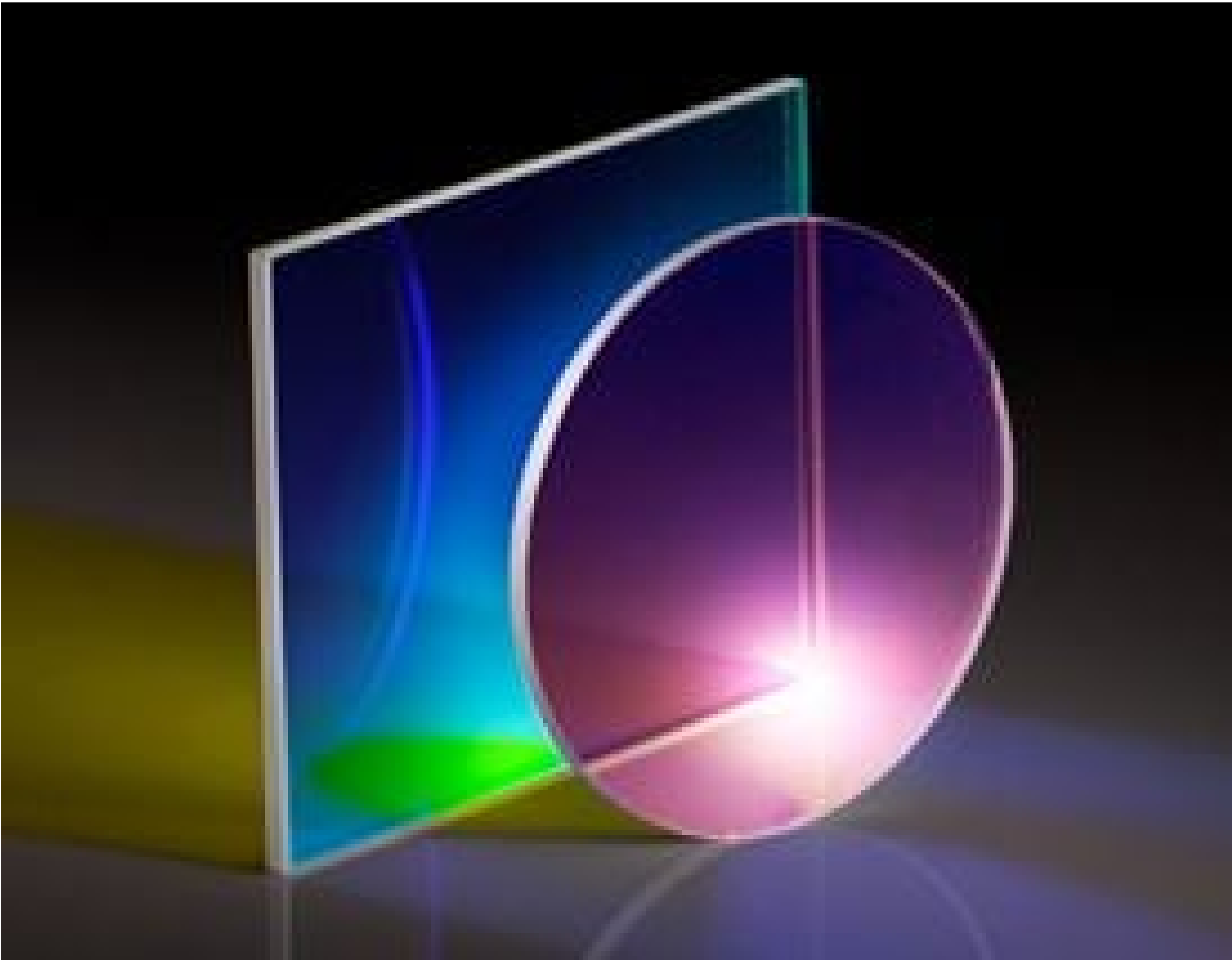


**TECHSPEC® 700nm, 12.5mm Diameter, Dichroic Shortpass Filter**



TECHSPEC Dichroic Shortpass Filters

Stock **#69-182** ☐ In Stock



1



**€123,00**

ADD TO CART

Qty 1-5

€123,00

Qty 6+

€96,00

Volume Pricing

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**Diameter (mm):**  
12.50

**Angle of Incidence (°):**  
45

**Cut-Off Wavelength (nm):**  
700.00

|                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Substrate:</div><div><div><div></div></div><div>Fused Silica</div></div><div>(Corning 7980)</div></div>                                                                                           |
| <div><div>Coating:</div><div>Hard Coated</div></div>                                                                                                                                                        |
| <div><div>P-Polarization Transmission (%)</div><div>&gt;80</div></div>                                                                                                                                      |
| <div><div>Reflection (%)</div><div>&gt;97 Average Polarization</div></div>                                                                                                                                  |
| <div><div>Reflection Wavelength (nm)</div><div>725 - 900</div></div>                                                                                                                                        |
| <div><div>S-Polarization Transmission (%)</div><div>&gt;80</div></div>                                                                                                                                      |
| <div><div>Surface Quality:</div><div>60-40</div></div>                                                                                                                                                      |
| <div><div>Thickness (mm)</div><div>1.05</div></div>                                                                                                                                                         |
| <div><div>Thickness Tolerance (mm)</div><div>±0.1</div></div>                                                                                                                                               |
| <div><div>Transmission (%)</div><div>&gt;85 Average Polarization</div></div>                                                                                                                                |
| <div><div>Transmission Wavelength (nm)</div><div>400 - 680</div></div>                                                                                                                                      |
| <div><div>Type:</div><div>Dichroic Filter</div></div>                                                                                                                                                       |
| <div><div>Dimensional Tolerance (mm)</div><div>+0.0/-0.2</div></div>                                                                                                                                        |
| <div><div>Transmitted Wavefront, RMS:</div><div><math>\lambda/4</math></div></div>                                                                                                                          |
| <div><div>Slope Factor (%)</div><div>3.00</div></div>                                                                                                                                                       |
| <div><div>Cut-Off Tolerance (%)</div><div>±2</div></div>                                                                                                                                                    |
| <div><div>S-Polarization Reflection (%)</div><div>&gt;95</div></div>                                                                                                                                        |
| <div><div>P-Polarization Reflection (%)</div><div>&gt;95</div></div>                                                                                                                                        |
| <div><div>Environmental Durability:</div><div>Humidity per MIL-STD-810H, Section 507.6<br/>Temperature per MIL-STD-810H, Section 501.7 and 502.7</div></div>                                                |
| <div><div>Physical Durability:</div><div>Adhesion per MIL-PRF-13830B, Section C.4.5.12<br/>Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11<br/>Cleaning per MIL-C-48497A Section 4.5.4.2</div></div> |
| <div><div>Coating Specification:</div><div>Surface 1: Hard Dielectric Sputtered<br/>Surface 2: MgF<sub>2</sub></div></div>                                                                                  |
| <div><div>Wavelength Range (nm)</div><div>400 - 900</div></div>                                                                                                                                             |

## Regulatory Compliance

|                                                                  |
|------------------------------------------------------------------|
| <div><div>RoHS 2015:</div><div>Compliant</div></div>             |
| <div><div>Certificate of Conformance:</div><div>View</div></div> |
| <div><div>Reach 240:</div><div>Compliant</div></div>             |