

TECHSPEC®

500nm, 12.5mm Diameter, Dichroic Longpass Filter



Stock #69-866 

3-5 DAYS

-

1

+

A\$196.80

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Qty 1-5

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A\$157.60

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Diameter (mm):  
12.50

Angle of Incidence (°):  
45

Cut-On Wavelength (nm):  
500.00

Substrate:

|                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Fused Silica</a> (Corning 7980)                                                                                                                                          |
| <b>Coating:</b><br>Hard Coated                                                                                                                                                       |
| <b>Reflection (%)</b> :<br>>97, Average Polarization<br>>95, Absolute Polarization                                                                                                   |
| <b>Reflection Wavelength (nm)</b> :<br>350 - 480                                                                                                                                     |
| <b>Surface Quality</b> :<br>60-40                                                                                                                                                    |
| <b>Thickness (mm)</b> :<br>1.05                                                                                                                                                      |
| <b>Thickness Tolerance (mm)</b> :<br>±0.1                                                                                                                                            |
| <b>Transmission (%)</b> :<br>>85, Average Polarization<br>>80, Absolute Polarization                                                                                                 |
| <b>Transmission Wavelength (nm)</b> :<br>520 - 1600                                                                                                                                  |
| <b>Type</b> :<br>Dichroic Filter                                                                                                                                                     |
| <b>Dimensional Tolerance (mm)</b> :<br>+0.0/-0.2                                                                                                                                     |
| <b>Transmitted Wavefront Tolerance</b> :<br>λ/4                                                                                                                                      |
| <b>Cut-On Tolerance (%)</b> :<br>±2                                                                                                                                                  |
| <b>Slope Factor (%)</b> :<br>3.00                                                                                                                                                    |
| <b>Environmental Durability</b> :<br>Humidity per MIL-STD-810H, Section 507.6<br>Temperature per MIL-STD-810H, Section 501.7 and 502.7                                               |
| <b>Physical Durability</b> :<br>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 |
| <b>Wavelength Range (nm)</b> :<br>350 - 1600                                                                                                                                         |
| <b>Wavelength Range (µm)</b> :<br>0.35 - 1.6                                                                                                                                         |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 240:</b><br><a href="#">Compliant</a>             |