

TECHSPEC<sup>®</sup> 475nm 25mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock #84-743 ☐ In Stock

-

1

+

C\$350.00

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Qty 1-5

C\$350.00

Qty 6+

C\$299.60

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Diameter (mm):  
25.00 +0.0/-0.2

Angle of Incidence (°):  
0

Optical Density OD (Average):  
≥4.0

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cut-On Wavelength (nm):</b><br>475.00                                                                                                                                            |
| <b>Substrate:</b> <br><a href="#">Fused Silica</a> (Corning 7980)                                  |
| <b>Coating:</b><br>Hard Coated                                                                                                                                                      |
| <b>Rejection Wavelength (nm):</b><br>200 - 465                                                                                                                                      |
| <b>Surface Quality:</b><br>60-40                                                                                                                                                    |
| <b>Thickness (mm):</b><br>3.00                                                                                                                                                      |
| <b>Thickness Tolerance (mm):</b><br>±0.1                                                                                                                                            |
| <b>Transmission (%):</b><br>≥91                                                                                                                                                     |
| <b>Transmission Wavelength (nm):</b><br>483 - 1650                                                                                                                                  |
| <b>Type:</b><br>Longpass Filter                                                                                                                                                     |
| <b>Clear Aperture (%):</b><br>>80                                                                                                                                                   |
| <b>Transmitted Wavefront, RMS:</b><br>≤λ/4 @ 633nm (prior to coating)                                                                                                               |
| <b>Cut-On Tolerance (%):</b><br>±1                                                                                                                                                  |
| <b>Slope Factor (%):</b><br><1                                                                                                                                                      |
| <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>Note:</b><br>Arrow on part indicates filter coated surface.                                                                                                                      |
| <b>Coating Specification:</b><br>Surface 1: Hard Dielectric Sputtered<br>Surface 2: AR Coated                                                                                       |
| <b>Wavelength Range (nm):</b><br>200 - 1650                                                                                                                                         |

## 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>             |