

TECHSPEC® 500nm CWL, 12.5mm Dia. Hard Coated OD 4.0 50nm Bandpass Filter



Stock #84-771 

In Stock

Additional Bandwidths

-

1

+

C\$231.00

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Qty 1-5

C\$231.00

Qty 6+

C\$182.00

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Diameter (mm):  
12.50 +0.0/-0.1

Angle of Incidence (°):  
0

Bandwidth (nm):  
45

|                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Optical Density OD (Average):</b><br>≥4.0                                                                                                                                     |
| <b>Clear Aperture CA (mm):</b><br>8.5                                                                                                                                            |
| <b>Center Wavelength CWL (nm):</b><br>500.00                                                                                                                                     |
| <b>Full Width-Half Max FWHM (nm):</b><br>50.00                                                                                                                                   |
| <b>Substrate:</b> <input type="checkbox"/><br>Optical Glass                                                                                                                      |
| <b>Minimum Transmission (%):</b><br>≥90                                                                                                                                          |
| <b>Coating:</b><br>Hard Coated                                                                                                                                                   |
| <b>Surface Quality:</b><br>80-50                                                                                                                                                 |
| <b>Transmission (%):</b><br>≥90                                                                                                                                                  |
| <b>Type:</b><br>Bandpass Filter                                                                                                                                                  |
| <b>Typical Applications:</b><br>BD Horizon V500, DiO, PKH67, Acridine Orange, ATTO 488, ratiometric pHluorin pH5                                                                 |
| <b>Blocking Wavelength Range (nm):</b><br>200 - 1200                                                                                                                             |
| <b>Construction:</b><br>Mounted in Black Anodized Ring                                                                                                                           |
| <b>Typical Light Sources:</b><br>475 and 488nm Laser; 520nm LED                                                                                                                  |
| <b>Environmental Durability:</b><br>Humidity per ML-STD-810H, Section 507.6<br>Temperature per ML-STD-810H, Section 501.7 and 502.7                                              |
| <b>Physical Durability:</b><br>Adhesion per ML-PRF-13830B, Section C.4.5.12<br>Moderate abrasion per ML-PRF-13830B, Section C.4.5.11<br>Cleaning per ML-C-48497A Section 4.5.4.2 |
| <b>Mount Thickness (mm):</b><br>5.0 ±0.1                                                                                                                                         |
| <b>Substrate Thickness (mm):</b><br>3.5 ±0.5                                                                                                                                     |

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>             |