

TECHSPEC®

775nm CWL, 50mm Dia, 46nm Bandwidth, OD 6 Fluorescence Filter



Stock #84-122

3-5 DAYS

[Additional Bandwidths](#)



1



A\$1,390.40

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Diameter (mm):

50.00 +0.00/-0.10

Angle of Incidence (°):

0 ±5

Bandwidth (nm):

46.00

OD 6 Blocking Wavelength Range (nm): 250 - 350, 550 - 737, & 837 - 975
Optical Density OD (Average): ≥6.0
Clear Aperture CA (mm): 45.21
Center Wavelength CWL (nm): 775.00
Full Width-Half Max FWHM (nm): 54.00
Substrate:  Fused Silica (Corning 7980)
Minimum Transmission (%): 93
Coating: Hard Coated
Surface Quality: 60-40
Thickness Tolerance (mm): ±0.1
Transmission (%): 93.00
Type: Bandpass Filter
Blocking Wavelength Range (nm): 250 - 1100
Construction: Mounted in Black Anodized Ring
Transmitted Wavefront, RMS: λ/4 (prior to coating)
Compatible Fluorophore: Cy7 Excitation
Environmental Durability: Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7
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 MIL-C-48497A Section 4.5.4.2
Mount Thickness (mm): 3.5 ±0.1
Substrate Thickness (mm): 2.00 ±0.25

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 240: Compliant