

TECHSPEC®

850nm CWL, 50mm Dia. Hard Coated OD 4.0 50nm Bandpass Filter



Stock **#84-802**

3-4 DAYS

[Additional Bandwidths](#)



1



£521.05

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Qty 1-5

£521.05

Qty 6+

£411.40

Volume Pricing

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Diameter (mm):

50.00 +0.0/-0.1

Angle of Incidence (°):

0

Bandwidth (nm):

45
Optical Density OD (Average): ≥4.0
Clear Aperture CA (mm): 45.0
Center Wavelength CWL (nm): 850.00
Full Width-Half Max FWHM (nm): 50.00
Substrate:  Optical Glass
Minimum Transmission (%): ≥90
Coating: Hard Coated
Surface Quality: 80-50
Transmission (%): ≥90
Type: Bandpass Filter
Typical Applications: ICG, IRDye800RS, Alexa Fluor® 790
Blocking Wavelength Range (nm): 200 - 1200
Construction: Mounted in Black Anodized Ring
Typical Light Sources: 830nm Laser
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): 5.0 ±0.1
Substrate Thickness (mm): 3.5 ±0.5

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View