

TECHSPEC® 850nm 50mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock **#84-763** ☐ In Stock

1 **C\$756.00**

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Qty 1-5

C\$756.00

Qty 6+

C\$648.20

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Diameter (mm):
50.00 +0.0/-0.2

Angle of Incidence (°):
0

Optical Density OD (Average):
≥4.0

Cut-On Wavelength (nm): 850.00
Substrate:  Fused Silica (Corning 7980)
Coating: Hard Coated
Rejection Wavelength (nm): 200 - 835
Surface Quality: 60-40
Thickness (mm): 5.00
Thickness Tolerance (mm): ±0.1
Transmission (%): ≥91
Transmission Wavelength (nm): 865 - 1650
Type: Longpass Filter
Clear Aperture (%): >80
Transmitted Wavefront, RMS: ≤λ/4 @ 633nm (prior to coating)
Cut-On Tolerance (%): ±1
Slope Factor (%): <1
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
Note: Arrow on part indicates filter coated surface.
Coating Specification: Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated
Wavelength Range (nm): 200 - 1650

Regulatory Compliance

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