

808nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

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Diameter (mm):
12.50 +0.0/-0.1

Angle of Incidence (°):
0 ±2

Bandwidth (nm):
3.1

Beam Deviation (arcsec):
<11

OD 5 Blocking Wavelength Range (nm) :

626 - 800 & 816 - 1270
OD 6 Blocking Wavelength Range (nm): 743 - 796 & 820 - 889
Optical Density OD (Average): ≥6.0
Clear Aperture CA (mm): ≥10
Center Wavelength CWL (nm): 808.00
Design Wavelength DWL (nm): 808
Full Width-Half Max FWHM (nm): 3.07 - 5.66
Substrate: ☐ Low Fluorescence N-BK7 or equivalent
Minimum Transmission (%): >90
Coating: Hard Coated
Surface Quality: 60-40
Thickness Tolerance (mm): ±0.10
Transmission (%): >90
Type: Bandpass Filter
Blocking Wavelength Range (nm): 626 - 800 & 816 - 1270
Construction: Mounted in Black Anodized Ring
Transmitted Wavefront, P-V: ¼ @ 633nm
Temperature Dependence (ppm/°C): <5
Environmental Durability: ML-STD-810F Paragraphs 501.4, 502.4, and 507.4
Physical Durability: ML-C-48497A Paragraphs 4.5.3.1, 4.5.3.2, 4.5.3.3, 4.5.4.2, and 4.5.5.3
Mount Thickness (mm): 3.5 ±0.1
Substrate Thickness (mm): 2.0 ±0.1

Regulatory Compliance

RoHS 2015: Compliant
Reach 209: Compliant
Certificate of Conformance: View