

Specifications for Indent of Optical Components - Item 3: Achromatic Lens

Parameters	Specification
Type	VIS-NIR Coated, Achromatic Lens
Diameter (mm)	25.00 +0.0/-0.025
Effective Focal Length (EFL) (mm)	100.00 ± 1.00
Back Focal length (BFL) (mm)	95.92
Focal Length Specification Wavelength (nm)	587.6
f/#	4.0
Numerical aperture NA	0.13
Clear Aperture CA (mm)	24.00
Centering (arc-min)	<1
Centre Thickness CT (mm)	8.50 ± 0.20
Centre Thickness CT-1 (mm)	6.00 ± 0.10
Centre Thickness CT-2 (mm)	2.50 ± 0.10
Radius R1 (mm)	61.47
Radius R2 (mm)	-44.64
Radius R3 (mm)	-129.94
Edge Thickness (ET) (mm)	6.61
Substrate	N-BK7 / N-SF5
Surface Quality	40-20
Wavelength Range (nm)	VIS-NIR (400-1000)
Coating Specification (R)	R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 – 870nm R _{avg} ≤1.25% @ 890 – 1000nm
Power (P-V) @ 632.8nm	1.5λ
Irregularity (P-V) @ 632.8nm	λ/4
Quantity	02