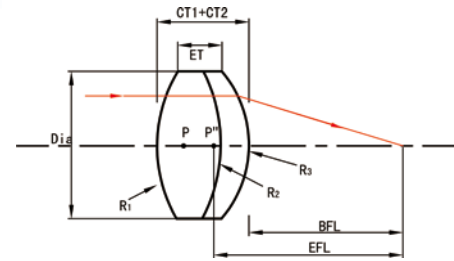


Specifications

Design Wavelength	480.0, 546.1, 643.8nm
Diameter Tolerance	+0.0, -0.15mm
Paraxial Focal Length Tolerance	±2%
Centration	3 arc minutes
Clear Aperture	>85%
Surface Figure	$\lambda/4@632.8\text{nm}$
Surface Quality	60/40 Scratch/Dig
Bevel	< 0.25 mm x 45°
Coating	$\lambda/4$ Wave $\text{MgF}_2@550\text{nm}$



Positive Achromatic Lenses

Part No.	$\phi$ (mm)	f (mm)	R1(mm)	R2=R3(mm)	R4(mm)	$T_{C1}$ (mm)	$T_{C2}$ (mm)	$f_b$ (mm)	Lens A	Lens B
ALP0101	15	6	8.831	-6.546	-19.77	2.71	1	13.066	BK7	SF5
ALP0102	20	6	12.356	-8.511	-24.38	2.6	1	18.288	BK7	SF5
ALP0103	25	6	15.704	-10.666	-29.99	2.3	1	23.455	BK7	SF5
ALP0104	30	6	18.88	-12.942	-36.48	1.9	1	28.695	BK7	SF5
ALP0105	25	8	15.596	-10.814	-30.48	2.9	1	23.125	BK7	SF5
ALP0106	30	8	18.88	-12.882	-36.22	2.7	1	28.277	BK7	SF5
ALP0107	20	10	12.3	-9.02	-25.23	3.6	1	17.625	BK7	SF5
ALP0201	25	12	15.346	-11.35	-31.92	4.2	1.3	22.286	BK7	SF5
ALP0202	25	12.7	15.596	-11.402	-31.05	4.3	1.3	22.251	BK7	SF5
ALP0203	30	12.7	18.535	-13.49	-37.84	4	1.3	27.36	BK7	SF5
ALP0204	40	12.7	25.23	-17.539	-48.75	3.4	1.3	37.778	BK7	SF5
ALP0205	50	12.7	31.26	-21.93	-62.37	3.1	1.3	47.992	BK7	SF5
ALP0206	60	12.7	37.33	-26.42	-75.86	2.8	1.3	58.127	BK7	SF5
ALP0207	75	12.7	46.77	-32.96	-94.62	2.6	1.3	73.227	BK7	SF5
ALP0208	65	20	40.09	-29.58	-83.59	6.3	2	60.868	BK7	SF5
ALP0301	60	25.4	37.33	-27.16	-75.86	7	2	55.565	BK7	SF5
ALP0302	120	25.4	73.28	-54.33	-159.96	4.2	2	117.103	BK7	SF5

## Achromatic Lenses & Cylindrical Lenses

### Negative Achromatic Lenses

Part No.	$\phi$ (mm)	f (mm)	R1(mm)	R2=R3(mm)	R4(mm)	T <sub>c1</sub> (mm)	T <sub>c2</sub> (mm)	f <sub>b</sub> (mm)	Lens A	Lens B
ALN0201	-25	12.7	-15.6	13.09	44.16	3	2.67	-27.5	BK7	F2
ALN0202	-40	12.7	-24.45	17.97	66.6	3	2.34	-42.5	BK7	F2
ALN0301	-50	25.4	-31.19	24.89	85.31	3	4.22	-53.3	BK7	F2

### Cylindrical Lenses

#### BK7 Cylindrical Lenses

##### Specifications

Material	BK7
Design Wavelength	632.8nm
Design Index	1.5147±0.0005
Diameter Tolerance	+0.0, -0.15mm
Paraxial Focal Length Tolerance	±2%
Centration	3 Arc Minutes
Clear Aperture	>85%
Surface Figure	X: $\lambda/2$ , Y: $2\lambda$
Surface Quality	60/40 Scratch/Dig
Bevel	0.25 mm x 45°
Coating	Uncoated

