

Achromatic Lens

Features

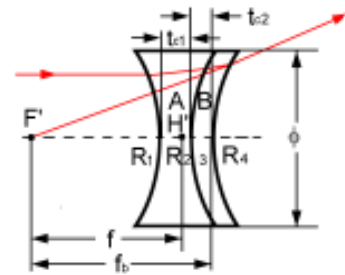
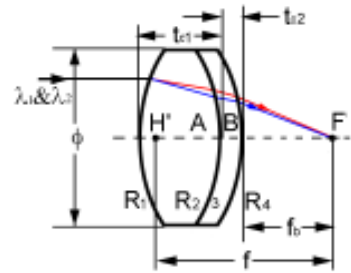
- High Precision Dimension
- Optional Substrate Material

Applications

- Projection Optics System
- Imaging Optics System
- Laser Measurement Systems

Specifications

Material	See table
Diameter tolerance	±0.1mm
Design wavelength	480.0nm, 546.1nm, 632.8nm
Focal tolerance	2%
Surface quality	60-40 S/D
Centration	3 arcmin
Surface flatness	λ/4@632.8nm
Clear aperture	>90%
Bevel	Protective bevel



Positive Achromatic Lens

Part No.	F(mm)	Φ(mm)	R1(mm)	R2(mm) R3	R4(mm)	Tc(mm)	Fb(mm)	Material	
								A	B
HACL0104	15	6.0	9.12	-5.86	-20.99	2.71+1.2	13.1	BK7	F2
HACL0102	25	6.0	15.37	-11.16	-32.17	2.3+0.9	24.0	BK7	SF5
HACL0103	30	6.0	16.03	-13.09	-67.61	1.4+0.6	28.8	BK7	F2
HACL0106	25	8.0	16.53	-10.88	-39.80	2.63+2.5	22.6	SK11	SF5
HACL0107	30	8.0	18.88	-12.88	-36.22	2.7+1.0	28.27	BK7	SF5
HACL0120	20	10.0	13.09	-9.12	-34.28	5.56+1.8	16.5	BaK1	SF8
HACL0204	25	12.7	16.41	-12.02	-40.74	3.76+2.0	22.2	BaK4	SF15
HACL0205	30	12.7	19.14	-14.03	-55.21	3.93+1.68	27.0	BaK1	SF8
HACL0201	40	12.7	21.28	-17.00	-89.95	3.0+0.8	37.8	BK7	F2
HACL0202	50	12.7	26.49	-21.28	-114.29	2.5+1.0	48.0	BK7	F2
HACL0206	60	12.7	36.31	-26.36	-77.40	3.5+1.5	57.0	BK7	SF5
HACL0203	75	12.7	39.99	-31.99	-167.9	2.4+1.0	73.0	BK7	F2
HACL0232	44	14.0	28.58	-19.69	-141.61	3.8+1.4	41.1	SSK4A	SF8
HACL0222	50	18.0	32.36	-22.49	-89.13	4.46+1.5	47.1	SK11	SF5
HACL0224	80	18	49.05	-37.15	-170.61	3.47+1.8	77.1	BaK1	SF8
HACL0301	50	25.4	34.51	-21.98	-213.80	9.0+2.5	43.3	BaF10	SF10
HACL0303	80	25.4	42.46	-33.88	-183.65	5.8+2.6	75.1	BK7	F2
HACL0304	100	25.4	52.79	-42.46	-228.6	4.5+2.0	96.0	BK7	F2
HACL0321	120	25.4	74.13	-55.21	-250.6	4.13+2.0	116.8	BaK1	SF8
HACL0341	100	26.5	64.04	-44.88	-128.72	4.8+2.0	96.5	SK11	SF8
HACL0323	140	30.0	93.22	-59.14	-156.67	6.52+2.51	136.0	BK7	SF5

Other size and coating are available upon request.