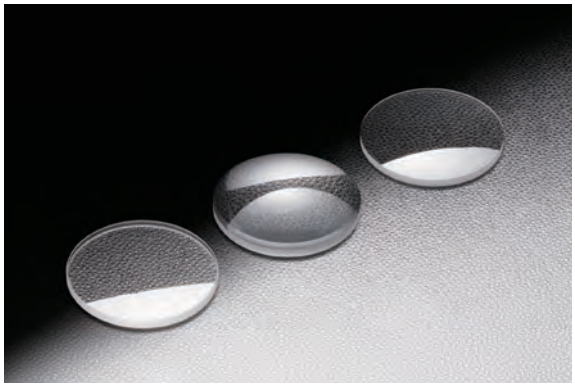
Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

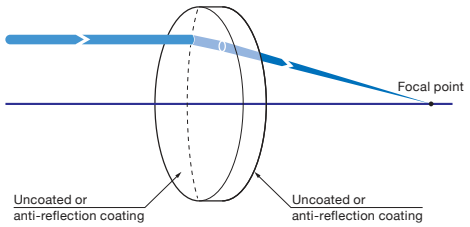
RoHS

These are simple lenses having a flat surface on one side and a spherical surface on the other. They are also very close to the form which minimizes spherical aberration for infinite conjugate applications.
Our glass lenses are made from the highest grade of optical glass. We have a vast range of different diameters and focal lengths. The lenses listed here are standards. Please call if you do not see the lens you need. We have both larger and smaller lenses and many other diameters to choose from. However, we do try to keep these standards available for quick delivery.

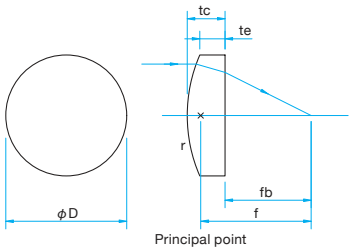
- There are three types of plano convex lenses available; BK7 for use in visible range to infrared wavelength range, synthetic fused silica for wavelengths less than 350nm ultraviolet light, and synthetic fused silica lens for excimer laser wavelenghts such as KrF (248nm) and ArF (193nm).
- BK7 lenses are also available with three types of anti-reflection coatings, visible wavelength range, in the near-infrared range and in the infrared range.
- Our lenses are listed by outside diameter and focal length to assist your selection according to required specifications.



Schematic



Outline Drawing (in mm)



●Tolerance
Diameter
ϕ60 or less $\phi D^{+0}_{-0.1}$
ϕ80 $\phi D^{+0}_{-0.15}$
ϕ100 $\phi D^{+0}_{-0.2}$
Focal length
(ϕ10≦ϕD) ±1%
(ϕD<ϕ10) ±2%

Specifications

Material	SLB: BK7 SLSQ: Synthetic fused silica SLSQK: Synthetic fused silica for Excimer Laser
Design wavelength	546.1nm
Refractive index	BK7: n_e=1.519 Synthetic fused silica: n_e=1.460
Coating	Uncoated: the end of the part number 'P' Anti-reflection coating: the end of the part number 'PM', 'PIR1', 'PIR2'
Laser Damage Threshold	Anti-reflection coating: 4J/cm^2 Laser pulse with 10ns, repetition frequency 20Hz
Clear aperture	90% of actual aperture: Uncoated 85% of actual aperture: with coating, ϕ10≦D 83% of actual aperture: with coating, D<ϕ10
Surface Quality (Scratch–Dig)	20–10 ϕ10≦D 40–20 D<ϕ10

Guide

- Lenses are available in a large selection and in custom sizes and focal lengths.
- In addition to our standard coating we offer custom anti-reflective coating at specific wavelengths.
- Achromatic lenses (DLB) which are chromatic aberration correction are also available. Reference B172

Attention

- Plano convex lenses have a positive focal length and can be used in focusing and collimating applications.
- The plano convex lens has chromatic aberration, and the focal length will vary depending on the wavelength. Please check the "wavelength characteristic of the focal length data" on the Web.
  WEB Reference Catalog Code W3041
- Transmissions losses due to reflection off the front and rear surfaces of the lens can be minimized by coating the surfaces. Consult our Sales Division for anti-reflection coatings suitable for your application.

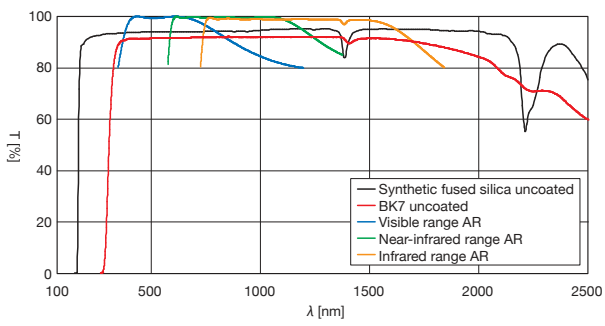
How to specify the anti-reflection coating

In case of specifying a anti-reflection coating 633nm – 1064nm to near infrared lens of SLB-100-500P.
⇒ SLB-100-500P**IR1**

Type of AR Coat	Part Number	Wavelength Range [nm]	Transmittance [%]
Visible range	**SLB-100-500PM**	400 – 700	> Average 99
Near-infrared	**SLB-100-500PIR1**	633 – 1064	> Average 98.5
Infrared	**SLB-100-500PIR2**	750 – 1550	> Average 98.5

! Part of the above is an example of if you want to coat anti-reflective coating on the lens of the SLB-100-500P.
! Anti-reflection coating can be available to the lens of all of SLB.

Typical Transmittance Data T: Transmission



BK7 ϕ5 – ϕ12.7

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-05-08P	M	IR1	IR2	ϕ5	8	1.4	2.3	6.5	4.15	<3
SLB-05-10P	M	IR1	IR2	ϕ5	10	1.3	2.0	8.7	5.19	<3
SLB-05-12P	M	IR1	IR2	ϕ5	12	1.2	1.8	10.8	6.23	<3
SLB-05-15P	M	IR1	IR2	ϕ5	15	1.2	1.6	13.9	7.79	<3
SLB-05-20P	M	IR1	IR2	ϕ5	20	1.1	1.4	19.1	10.38	<3
SLB-05-25P	M	IR1	IR2	ϕ5	25	1.1	1.4	24.1	12.98	<3
SLB-05-30P	M	IR1	IR2	ϕ5	30	1.1	1.3	29.1	15.57	<3
SLB-06-08P	M	IR1	IR2	ϕ6	8	1.0	2.3	6.5	4.15	<3
SLB-06-09P	M	IR1	IR2	ϕ6	9	1.0	2.1	7.6	4.67	<3
SLB-06-10P	M	IR1	IR2	ϕ6	10	1.0	2.0	8.7	5.19	<3
SLB-06-12P	M	IR1	IR2	ϕ6	12	1.0	1.8	10.8	6.23	<3
SLB-06-15P	M	IR1	IR2	ϕ6	15	1.0	1.6	13.9	7.79	<3
SLB-06-20P	M	IR1	IR2	ϕ6	20	1.0	1.4	19.1	10.38	<3
SLB-06-25P	M	IR1	IR2	ϕ6	25	1.0	1.4	24.1	12.98	<3
SLB-06-30P	M	IR1	IR2	ϕ6	30	1.0	1.3	29.1	15.57	<3
SLB-07-10P	M	IR1	IR2	ϕ7	10	2.0	3.4	7.8	5.19	<3
SLB-07-12P	M	IR1	IR2	ϕ7	12	1.9	3.0	10.1	6.23	<3
SLB-07-15P	M	IR1	IR2	ϕ7	15	1.8	2.6	13.3	7.79	<3
SLB-07-20P	M	IR1	IR2	ϕ7	20	1.7	2.3	18.5	10.38	<3
SLB-07-25P	M	IR1	IR2	ϕ7	25	1.7	2.1	23.6	12.98	<3
SLB-07-30P	M	IR1	IR2	ϕ7	30	1.6	2.0	28.7	15.57	<3
SLB-07-40P	M	IR1	IR2	ϕ7	40	1.6	1.9	38.8	20.76	<3
SLB-07-50P	M	IR1	IR2	ϕ7	50	1.6	1.8	48.8	25.95	<3
SLB-08-10P	M	IR1	IR2	ϕ8	10	1.5	3.4	7.8	5.19	<3
SLB-08-12P	M	IR1	IR2	ϕ8	12	1.5	3.0	10.1	6.23	<3
SLB-08-15P	M	IR1	IR2	ϕ8	15	1.5	2.6	13.3	7.79	<3
SLB-08-20P	M	IR1	IR2	ϕ8	20	1.5	2.3	18.5	10.38	<3
SLB-08-25P	M	IR1	IR2	ϕ8	25	1.5	2.1	23.6	12.98	<3
SLB-08-30P	M	IR1	IR2	ϕ8	30	1.5	2.0	28.7	15.57	<3
SLB-08-40P	M	IR1	IR2	ϕ8	40	1.5	1.9	38.8	20.76	<3
SLB-08-50P	M	IR1	IR2	ϕ8	50	1.5	1.8	48.8	25.95	<3
SLB-10-15P	M	IR1	IR2	ϕ10	15	2.0	3.8	12.5	7.79	<1
SLB-10-20P	M	IR1	IR2	ϕ10	20	2.0	3.3	17.8	10.38	<1
SLB-10-25P	M	IR1	IR2	ϕ10	25	2.0	3.0	23.0	12.98	<1
SLB-10-30P	M	IR1	IR2	ϕ10	30	2.0	2.8	28.1	15.57	<1
SLB-10-40P	M	IR1	IR2	ϕ10	40	2.0	2.6	38.3	20.76	<1
SLB-10-50P	M	IR1	IR2	ϕ10	50	2.0	2.5	48.4	25.95	<1
SLB-10-60P	M	IR1	IR2	ϕ10	60	2.0	2.4	58.4	31.14	<1
SLB-10-70P	M	IR1	IR2	ϕ10	70	2.0	2.3	68.5	36.33	<1
SLB-10-80P	M	IR1	IR2	ϕ10	80	2.0	2.3	78.5	41.52	<1
SLB-10-100P	M	IR1	IR2	ϕ10	100	2.0	2.2	98.5	51.90	<1
SLB-12.7-20P	M	IR1	IR2	ϕ12.7	20	2.0	4.2	17.2	10.38	<1
SLB-12.7-25P	M	IR1	IR2	ϕ12.7	25	2.0	3.7	22.6	12.98	<1
SLB-12.7-30P	M	IR1	IR2	ϕ12.7	30	2.0	3.4	27.8	15.57	<1
SLB-12.7-40P	M	IR1	IR2	ϕ12.7	40	2.0	3.0	38.0	20.76	<1
SLB-12.7-50P	M	IR1	IR2	ϕ12.7	50	2.0	2.8	48.2	25.95	<1
SLB-12.7-60P	M	IR1	IR2	ϕ12.7	60	2.0	2.7	58.3	31.14	<1
SLB-12.7-70P	M	IR1	IR2	ϕ12.7	70	2.0	2.6	68.3	36.33	<1
SLB-12.7-80P	M	IR1	IR2	ϕ12.7	80	2.0	2.5	78.4	41.52	<1
SLB-12.7-100P	M	IR1	IR2	ϕ12.7	100	2.0	2.4	98.5	51.90	<1

Compatible Optic Mounts

LHF-10S / MLH-10, -15

Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

Catalog Code W3042

BK7 ϕ15 – ϕ25.4

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-15-20P	M	IR1	IR2	ϕ15	20	2.0	5.2	16.6	10.38	<1
SLB-15-25P	M	IR1	IR2	ϕ15	25	2.0	4.4	22.1	12.98	<1
SLB-15-30P	M	IR1	IR2	ϕ15	30	2.0	3.9	27.4	15.57	<1
SLB-15-40P	M	IR1	IR2	ϕ15	40	2.0	3.4	37.8	20.76	<1
SLB-15-50P	M	IR1	IR2	ϕ15	50	2.0	3.1	48.0	25.95	<1
SLB-15-60P	M	IR1	IR2	ϕ15	60	2.0	2.9	58.1	31.14	<1
SLB-15-70P	M	IR1	IR2	ϕ15	70	2.0	2.8	68.2	36.33	<1
SLB-15-80P	M	IR1	IR2	ϕ15	80	2.0	2.7	78.2	41.52	<1
SLB-15-90P	M	IR1	IR2	ϕ15	90	2.0	2.6	88.3	46.71	<1
SLB-15-100P	M	IR1	IR2	ϕ15	100	2.0	2.5	98.3	51.90	<1
SLB-15-120P	M	IR1	IR2	ϕ15	120	2.0	2.5	118.4	62.28	<1
SLB-15-150P	M	IR1	IR2	ϕ15	150	2.0	2.4	148.4	77.85	<1
SLB-20-25P	M	IR1	IR2	ϕ20	25	2.0	6.7	20.6	12.98	<1
SLB-20-30P	M	IR1	IR2	ϕ20	30	2.0	5.6	26.3	15.57	<1
SLB-20-40P	M	IR1	IR2	ϕ20	40	2.0	4.6	37.0	20.76	<1
SLB-20-50P	M	IR1	IR2	ϕ20	50	2.0	4.0	47.4	25.95	<1
SLB-20-60P	M	IR1	IR2	ϕ20	60	2.0	3.6	57.6	31.14	<1
SLB-20-70P	M	IR1	IR2	ϕ20	70	2.0	3.4	67.8	36.33	<1
SLB-20-80P	M	IR1	IR2	ϕ20	80	2.0	3.2	77.9	41.52	<1
SLB-20-90P	M	IR1	IR2	ϕ20	90	2.0	3.1	88.0	46.71	<1
SLB-20-100P	M	IR1	IR2	ϕ20	100	2.0	3.0	98.0	51.90	<1
SLB-20-120P	M	IR1	IR2	ϕ20	120	2.0	2.8	118.2	62.28	<1
SLB-20-150P	M	IR1	IR2	ϕ20	150	2.0	2.6	148.3	77.85	<1
SLB-20-170P	M	IR1	IR2	ϕ20	170	2.0	2.6	168.2	88.23	<1
SLB-20-200P	M	IR1	IR2	ϕ20	200	2.0	2.5	198.4	103.8	<1
SLB-25-30P	M	IR1	IR2	ϕ25	30	2.0	8.3	24.5	15.57	<1
SLB-25-35P	M	IR1	IR2	ϕ25	35	2.0	7.0	30.4	18.17	<1
SLB-25-40P	M	IR1	IR2	ϕ25	40	2.0	6.2	36.0	20.76	<1
SLB-25-50P	M	IR1	IR2	ϕ25	50	2.0	5.2	46.6	25.95	<1
SLB-25-60P	M	IR1	IR2	ϕ25	60	2.0	4.6	57.0	31.14	<1
SLB-25-70P	M	IR1	IR2	ϕ25	70	2.0	4.2	67.2	36.33	<1
SLB-25-80P	M	IR1	IR2	ϕ25	80	2.0	3.9	77.4	41.52	<1
SLB-25-90P	M	IR1	IR2	ϕ25	90	2.0	3.7	87.6	46.71	<1
SLB-25-100P	M	IR1	IR2	ϕ25	100	2.0	3.5	97.7	51.9	<1
SLB-25-120P	M	IR1	IR2	ϕ25	120	2.0	3.3	117.8	62.28	<1
SLB-25-150P	M	IR1	IR2	ϕ25	150	2.0	3.0	148.0	77.85	<1
SLB-25-170P	M	IR1	IR2	ϕ25	170	2.0	2.9	168.1	88.23	<1
SLB-25-200P	M	IR1	IR2	ϕ25	200	2.0	2.8	198.2	103.8	<1
SLB-25-220P	M	IR1	IR2	ϕ25	220	2.0	2.7	218.2	114.18	<1
SLB-25-250P	M	IR1	IR2	ϕ25	250	2.0	2.6	248.3	129.75	<1
SLB-25.4-30P	M	IR1	IR2	ϕ25.4	30	1.7	8.3	24.5	15.57	<1
SLB-25.4-35P	M	IR1	IR2	ϕ25.4	35	1.8	7.0	30.4	18.17	<1
SLB-25.4-40P	M	IR1	IR2	ϕ25.4	40	1.9	6.2	36.0	20.76	<1
SLB-25.4-50P	M	IR1	IR2	ϕ25.4	50	1.9	5.2	46.6	25.95	<1
SLB-25.4-60P	M	IR1	IR2	ϕ25.4	60	1.9	4.6	57.0	31.14	<1
SLB-25.4-70P	M	IR1	IR2	ϕ25.4	70	1.9	4.2	67.2	36.33	<1
SLB-25.4-80P	M	IR1	IR2	ϕ25.4	80	1.9	3.9	77.4	41.52	<1
SLB-25.4-90P	M	IR1	IR2	ϕ25.4	90	1.9	3.7	87.6	46.71	<1
SLB-25.4-100P	M	IR1	IR2	ϕ25.4	100	1.9	3.5	97.7	51.90	<1
SLB-25.4-120P	M	IR1	IR2	ϕ25.4	120	2.0	3.3	117.8	62.28	<1
SLB-25.4-150P	M	IR1	IR2	ϕ25.4	150	2.0	3.0	148.0	77.85	<1
SLB-25.4-170P	M	IR1	IR2	ϕ25.4	170	2.0	2.9	168.1	88.23	<1
SLB-25.4-200P	M	IR1	IR2	ϕ25.4	200	2.0	2.8	198.2	103.80	<1
SLB-25.4-250P	M	IR1	IR2	ϕ25.4	250	2.0	2.6	248.3	129.75	<1
SLB-25.4-300P	M	IR1	IR2	ϕ25.4	300	2.0	2.5	298.4	155.70	<3
SLB-25.4-500P	M	IR1	IR2	ϕ25.4	500	2.0	2.3	498.4	259.50	<3
SLB-25.4-700P	M	IR1	IR2	ϕ25.4	700	2.0	2.2	698.5	363.30	<3
SLB-25.4-1000P	M	IR1	IR2	ϕ25.4	1000	2.0	2.2	998.5	519.00	<3

Compatible Optic Mounts

LHF-15S, -20S, -25.4S

BK7 ϕ30 – ϕ40

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-30-35P	M	IR1	IR2	ϕ30	35	2.0	9.9	28.5	18.17	<1
SLB-30-40P	M	IR1	IR2	ϕ30	40	2.0	8.4	34.5	20.76	<1
SLB-30-50P	M	IR1	IR2	ϕ30	50	2.0	6.8	45.5	25.95	<1
SLB-30-60P	M	IR1	IR2	ϕ30	60	2.0	5.9	56.1	31.14	<1
SLB-30-70P	M	IR1	IR2	ϕ30	70	2.0	5.2	66.5	36.33	<1
SLB-30-80P	M	IR1	IR2	ϕ30	80	2.0	4.8	76.8	41.52	<1
SLB-30-90P	M	IR1	IR2	ϕ30	90	2.0	4.5	87.1	46.71	<1
SLB-30-100P	M	IR1	IR2	ϕ30	100	2.0	4.2	97.2	51.90	<1
SLB-30-120P	M	IR1	IR2	ϕ30	120	2.0	3.8	117.5	62.28	<1
SLB-30-150P	M	IR1	IR2	ϕ30	150	2.0	3.5	147.7	77.85	<1
SLB-30-170P	M	IR1	IR2	ϕ30	170	2.0	3.3	167.8	88.23	<1
SLB-30-200P	M	IR1	IR2	ϕ30	200	2.0	3.1	198.0	103.80	<1
SLB-30-220P	M	IR1	IR2	ϕ30	220	2.0	3.0	218.0	114.18	<1
SLB-30-250P	M	IR1	IR2	ϕ30	250	2.0	2.9	248.1	129.75	<1
SLB-30-300P	M	IR1	IR2	ϕ30	300	2.0	2.7	298.2	155.70	<1
SLB-30-350P	M	IR1	IR2	ϕ30	350	2.0	2.6	348.3	181.65	<3
SLB-30-400P	M	IR1	IR2	ϕ30	400	2.0	2.5	398.2	207.60	<3
SLB-30-450P	M	IR1	IR2	ϕ30	450	2.0	2.5	448.4	233.55	<3
SLB-30-500P	M	IR1	IR2	ϕ30	500	2.0	2.4	498.4	259.50	<3
SLB-30-600P	M	IR1	IR2	ϕ30	600	2.0	2.4	598.4	311.40	<3
SLB-30-700P	M	IR1	IR2	ϕ30	700	2.0	2.3	698.5	363.30	<3
SLB-30-800P	M	IR1	IR2	ϕ30	800	2.0	2.3	798.5	415.20	<3
SLB-30-900P	M	IR1	IR2	ϕ30	900	2.0	2.2	898.5	467.10	<3
SLB-30-1000P	M	IR1	IR2	ϕ30	1000	2.0	2.2	998.5	519.00	<3
SLB-30-1200P	M	IR1	IR2	ϕ30	1200	2.0	2.2	1198.6	622.80	<3
SLB-30-1500P	M	IR1	IR2	ϕ30	1500	2.0	2.1	1498.6	778.50	<3
SLB-30-2000P	M	IR1	IR2	ϕ30	2000	2.0	2.1	1998.6	1038.00	<3
SLB-30-2500P	M	IR1	IR2	ϕ30	2500	2.0	2.1	2498.6	1297.50	<3
SLB-30-3000P	M	IR1	IR2	ϕ30	3000	2.0	2.1	2998.6	1557	<3
SLB-30-4000P	M	IR1	IR2	ϕ30	4000	2.0	2.1	3998.6	2076	<3
SLB-30-5000P	M	IR1	IR2	ϕ30	5000	2.0	2.1	4998.6	2595	<3
SLB-40-50P	M	IR1	IR2	ϕ40	50	2.0	11.4	42.5	25.95	<1
SLB-40-60P	M	IR1	IR2	ϕ40	60	2.0	9.3	53.9	31.14	<1
SLB-40-70P	M	IR1	IR2	ϕ40	70	2.0	8.0	64.7	36.33	<1
SLB-40-80P	M	IR1	IR2	ϕ40	80	2.0	7.1	75.3	41.52	<1
SLB-40-90P	M	IR1	IR2	ϕ40	90	2.0	6.5	85.7	46.71	<1
SLB-40-100P	M	IR1	IR2	ϕ40	100	2.0	6.0	96.0	51.90	<1
SLB-40-120P	M	IR1	IR2	ϕ40	120	2.0	5.3	116.5	62.28	<1
SLB-40-150P	M	IR1	IR2	ϕ40	150	2.0	4.6	147.0	77.85	<1
SLB-40-170P	M	IR1	IR2	ϕ40	170	2.0	4.3	167.2	88.23	<1
SLB-40-200P	M	IR1	IR2	ϕ40	200	2.0	3.9	197.4	103.80	<1
SLB-40-250P	M	IR1	IR2	ϕ40	250	2.0	3.6	247.7	129.75	<1
SLB-40-300P	M	IR1	IR2	ϕ40	300	2.0	3.3	297.7	155.70	<1
SLB-40-350P	M	IR1	IR2	ϕ40	350	2.0	3.1	348.0	181.65	<1
SLB-40-400P	M	IR1	IR2	ϕ40	400	2.0	3.0	398.0	207.60	<1
SLB-40-450P	M	IR1	IR2	ϕ40	450	2.0	2.9	448.1	233.55	<3
SLB-40-500P	M	IR1	IR2	ϕ40	500	2.0	2.8	498.2	259.50	<3
SLB-40-1000P	M	IR1	IR2	ϕ40	1000	2.0	2.4	998.4	519.00	<3

Compatible Optic Mounts

LHF-30S, -40S

Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

Catalog Code W3044

BK7 ϕ50 – ϕ60

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-50-70P	M	IR1	IR2	ϕ50	70	3.0	13.0	61.5	36.33	<1
SLB-50-80P	M	IR1	IR2	ϕ50	80	3.0	11.4	72.5	41.52	<1
SLB-50-90P	M	IR1	IR2	ϕ50	90	3.0	10.3	83.2	46.71	<1
SLB-50-100P	M	IR1	IR2	ϕ50	100	3.0	9.4	93.8	51.90	<1
SLB-50-120P	M	IR1	IR2	ϕ50	120	3.0	8.2	114.6	62.28	<1
SLB-50-150P	M	IR1	IR2	ϕ50	150	3.0	7.1	145.3	77.85	<1
SLB-50-170P	M	IR1	IR2	ϕ50	170	3.0	6.6	165.6	88.23	<1
SLB-50-200P	M	IR1	IR2	ϕ50	200	3.0	6.1	196.0	103.80	<1
SLB-50-220P	M	IR1	IR2	ϕ50	220	3.0	5.8	216.2	114.18	<1
SLB-50-250P	M	IR1	IR2	ϕ50	250	3.0	5.4	246.4	129.75	<1
SLB-50-300P	M	IR1	IR2	ϕ50	300	3.0	5.0	296.7	155.70	<1
SLB-50-350P	M	IR1	IR2	ϕ50	350	3.0	4.7	346.9	181.65	<1
SLB-50-400P	M	IR1	IR2	ϕ50	400	3.0	4.5	397.0	207.60	<1
SLB-50-450P	M	IR1	IR2	ϕ50	450	3.0	4.3	447.1	233.55	<1
SLB-50-500P	M	IR1	IR2	ϕ50	500	3.0	4.2	497.2	259.50	<1
SLB-50-600P	M	IR1	IR2	ϕ50	600	3.0	4.0	597.4	311.40	<3
SLB-50-700P	M	IR1	IR2	ϕ50	700	3.0	3.9	697.5	363.30	<3
SLB-50-800P	M	IR1	IR2	ϕ50	800	3.0	3.8	797.4	415.20	<3
SLB-50-900P	M	IR1	IR2	ϕ50	900	3.0	3.7	897.6	467.10	<3
SLB-50-1000P	M	IR1	IR2	ϕ50	1000	3.0	3.6	997.6	519.00	<3
SLB-50-1200P	M	IR1	IR2	ϕ50	1200	3.0	3.5	1197.7	622.80	<3
SLB-50-1500P	M	IR1	IR2	ϕ50	1500	3.0	3.4	1497.8	778.50	<3
SLB-50-2000P	M	IR1	IR2	ϕ50	2000	3.0	3.3	1997.8	1038.00	<3
SLB-50-2500P	M	IR1	IR2	ϕ50	2500	3.0	3.2	2497.9	1297.5	<3
SLB-50-3000P	M	IR1	IR2	ϕ50	3000	3.0	3.2	2997.9	1557.00	<3
SLB-50-4000P	M	IR1	IR2	ϕ50	4000	3.0	3.2	3997.9	2076.00	<3
SLB-50-5000P	M	IR1	IR2	ϕ50	5000	3.0	3.1	4997.9	2595.00	<3
SLB-50.8-70P	M	IR1	IR2	ϕ50.8	70	3.0	13.4	61.2	36.33	<1
SLB-50.8-80P	M	IR1	IR2	ϕ50.8	80	3.0	11.7	72.3	41.52	<1
SLB-50.8-90P	M	IR1	IR2	ϕ50.8	90	3.0	10.3	83.2	46.71	<1
SLB-50.8-100P	M	IR1	IR2	ϕ50.8	100	3.0	9.6	93.7	51.90	<1
SLB-50.8-120P	M	IR1	IR2	ϕ50.8	120	2.8	8.2	114.6	62.28	<1
SLB-50.8-150P	M	IR1	IR2	ϕ50.8	150	2.8	7.1	145.3	77.85	<1
SLB-50.8-170P	M	IR1	IR2	ϕ50.8	170	3.0	6.6	165.7	88.23	<1
SLB-50.8-200P	M	IR1	IR2	ϕ50.8	200	2.9	6.1	196.0	103.8	<1
SLB-50.8-250P	M	IR1	IR2	ϕ50.8	250	2.9	5.4	246.4	129.75	<1
SLB-50.8-300P	M	IR1	IR2	ϕ50.8	300	2.9	5.0	296.7	155.70	<1
SLB-50.8-400P	M	IR1	IR2	ϕ50.8	400	3.0	4.5	397.0	207.60	<1
SLB-50.8-500P	M	IR1	IR2	ϕ50.8	500	3.0	4.2	497.2	259.50	<1
SLB-50.8-700P	M	IR1	IR2	ϕ50.8	700	3.0	3.9	697.4	363.30	<3
SLB-50.8-1000P	M	IR1	IR2	ϕ50.8	1000	3.0	3.6	997.6	519.00	<3
SLB-60-70P	M	IR1	IR2	ϕ60	70	3.0	18.8	57.6	36.33	<1
SLB-60-80P	M	IR1	IR2	ϕ60	80	3.0	15.8	69.6	41.52	<1
SLB-60-90P	M	IR1	IR2	ϕ60	90	3.0	13.9	80.8	46.71	<1
SLB-60-100P	M	IR1	IR2	ϕ60	100	3.0	12.5	91.7	51.90	<1
SLB-60-120P	M	IR1	IR2	ϕ60	120	3.0	10.7	113.0	62.28	<1
SLB-60-150P	M	IR1	IR2	ϕ60	150	3.0	9.0	144.1	77.85	<1
SLB-60-170P	M	IR1	IR2	ϕ60	170	3.0	8.3	164.6	88.23	<1
SLB-60-200P	M	IR1	IR2	ϕ60	200	3.0	7.4	195.1	103.80	<1
SLB-60-250P	M	IR1	IR2	ϕ60	250	3	6.5	245.7	129.75	<1
SLB-60-300P	M	IR1	IR2	ϕ60	300	3.0	5.9	296.1	155.70	<1
SLB-60-400P	M	IR1	IR2	ϕ60	400	3.0	5.2	396.6	207.60	<1
SLB-60-500P	M	IR1	IR2	ϕ60	500	3.0	4.7	496.9	259.50	<1
SLB-60-1000P	M	IR1	IR2	ϕ60	1000	3.0	3.9	997.5	519.00	<3

Compatible Optic Mounts

LHF-50S, -50.8S, -60AS

BK7 ϕ80 – ϕ100

Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
Part Number	Visibe 400 – 700nm	Near-infrared 633 – 1064nm	Infrared 750 – 1550nm							
SLB-80-100P	**M**	**IR1**	**IR2**	ϕ80	100	3.0	21.8	85.6	51.90	<1
SLB-80-150P	**M**	**IR1**	**IR2**	ϕ80	150	3.0	14.1	140.8	77.85	<1
SLB-80-200P	**M**	**IR1**	**IR2**	ϕ80	200	3.0	11.0	192.7	103.80	<1
SLB-80-250P	**M**	**IR1**	**IR2**	ϕ80	250	3.0	9.3	243.9	129.75	<1
SLB-80-300P	**M**	**IR1**	**IR2**	ϕ80	300	3.0	8.2	294.6	155.70	<1
SLB-80-350P	**M**	**IR1**	**IR2**	ϕ80	350	3.0	7.5	345.1	181.65	<1
SLB-80-400P	**M**	**IR1**	**IR2**	ϕ80	400	3.0	6.9	395.5	207.60	<1
SLB-80-500P	**M**	**IR1**	**IR2**	ϕ80	500	3.0	6.1	496.0	259.50	<1
SLB-80-700P	**M**	**IR1**	**IR2**	ϕ80	700	3.0	5.2	696.6	363.30	<1
SLB-80-800P	**M**	**IR1**	**IR2**	ϕ80	800	3.0	4.9	796.8	415.20	<1
SLB-80-1000P	**M**	**IR1**	**IR2**	ϕ80	1000	3.0	4.5	997.0	519.00	<3
SLB-100-150P	**M**	**IR1**	**IR2**	ϕ100	150	3.0	21.2	136.1	77.85	<1
SLB-100-200P	**M**	**IR1**	**IR2**	ϕ100	200	3.0	15.8	189.6	103.80	<1
SLB-100-250P	**M**	**IR1**	**IR2**	ϕ100	250	3.0	13.0	241.4	129.75	<1
SLB-100-300P	**M**	**IR1**	**IR2**	ϕ100	300	3.0	11.2	292.6	155.70	<1
SLB-100-350P	**M**	**IR1**	**IR2**	ϕ100	350	3.0	10.0	343.4	181.65	<1
SLB-100-400P	**M**	**IR1**	**IR2**	ϕ100	400	3.0	9.1	394.4	207.60	<1
SLB-100-500P	**M**	**IR1**	**IR2**	ϕ100	500	3.0	7.9	494.8	259.50	<1
SLB-100-600P	**M**	**IR1**	**IR2**	ϕ100	600	3.0	7.0	595.4	311.40	<1
SLB-100-700P	**M**	**IR1**	**IR2**	ϕ100	700	3.0	6.5	695.7	363.30	<1
SLB-100-800P	**M**	**IR1**	**IR2**	ϕ100	800	3.0	6.0	796.0	415.20	<1
SLB-100-1000P	**M**	**IR1**	**IR2**	ϕ100	1000	3.0	5.4	996.4	519.00	<1

Compatible Optic Mounts

LHF-80, -100

Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

Catalog Code W3045

Synthetic fused silica $\phi5$ – $\phi20$

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-05-08P	$\phi5$	8	1.6	2.5	6.3	3.68	<3
SLSQ-05-09P	$\phi5$	9	1.4	2.3	7.6	4.14	<3
SLSQ-05-10P	$\phi5$	10	1.4	2.1	8.6	4.60	<3
SLSQ-05-12P	$\phi5$	12	1.3	1.9	10.7	5.52	<3
SLSQ-05-15P	$\phi5$	15	1.2	1.7	13.8	6.90	<3
SLSQ-05-20P	$\phi5$	20	1.2	1.5	19.0	9.20	<3
SLSQ-05-30P	$\phi5$	30	1.1	1.3	29.1	13.80	<3
SLSQ-06-08P	$\phi6$	8	1.0	2.5	6.3	3.68	<3
SLSQ-06-10P	$\phi6$	10	1.0	2.1	8.6	4.60	<3
SLSQ-06-12P	$\phi6$	12	1.0	1.9	10.7	5.52	<3
SLSQ-06-15P	$\phi6$	15	1.0	1.7	13.8	6.90	<3
SLSQ-06-20P	$\phi6$	20	1.0	1.5	19.0	9.20	<3
SLSQ-06-25P	$\phi6$	25	1.0	1.4	24.0	11.50	<3
SLSQ-06-30P	$\phi6$	30	1.0	1.3	29.1	13.80	<3
SLSQ-07-10P	$\phi7$	10	2.2	3.8	7.4	4.60	<3
SLSQ-07-12P	$\phi7$	12	2.0	3.2	9.8	5.52	<3
SLSQ-07-15P	$\phi7$	15	1.8	2.8	13.1	6.90	<3
SLSQ-07-20P	$\phi7$	20	1.7	2.4	18.3	9.20	<3
SLSQ-07-30P	$\phi7$	30	1.6	2.1	28.6	13.80	<3
SLSQ-07-40P	$\phi7$	40	1.6	1.9	38.7	18.40	<3
SLSQ-07-50P	$\phi7$	50	1.6	1.9	48.7	23.00	<3
SLSQ-08-10P	$\phi8$	10	1.5	3.8	7.4	4.60	<3
SLSQ-08-12P	$\phi8$	12	1.5	3.2	9.8	5.52	<3
SLSQ-08-15P	$\phi8$	15	1.5	2.8	13.1	6.90	<3
SLSQ-08-20P	$\phi8$	20	1.5	2.4	18.3	9.20	<3
SLSQ-08-25P	$\phi8$	25	1.5	2.2	23.5	11.50	<3
SLSQ-08-30P	$\phi8$	30	1.5	2.1	28.6	13.80	<3
SLSQ-10-15P	$\phi10$	15	2.0	4.1	12.2	6.90	<1
SLSQ-10-20P	$\phi10$	20	2.0	3.5	17.6	9.20	<1
SLSQ-10-25P	$\phi10$	25	2.0	3.1	22.8	11.50	<1
SLSQ-10-30P	$\phi10$	30	2.0	2.9	28.0	13.80	<1
SLSQ-10-40P	$\phi10$	40	2.0	2.7	38.2	18.40	<1
SLSQ-10-50P	$\phi10$	50	2.0	2.6	48.3	23.00	<1
SLSQ-10-60P	$\phi10$	60	2.0	2.5	58.3	27.60	<1
SLSQ-10-70P	$\phi10$	70	2.0	2.4	68.4	32.20	<1
SLSQ-10-80P	$\phi10$	80	2.0	2.3	78.4	36.80	<1
SLSQ-10-100P	$\phi10$	100	2.0	2.3	98.4	46.00	<1
SLSQ-12.7-15P	$\phi12.7$	15	2.0	6.2	10.8	6.90	<1
SLSQ-12.7-20P	$\phi12.7$	20	2.0	4.5	16.9	9.20	<1
SLSQ-12.7-25P	$\phi12.7$	25	2.0	3.9	22.3	11.50	<1
SLSQ-12.7-40P	$\phi12.7$	40	2.0	3.1	37.9	18.40	<1
SLSQ-12.7-50P	$\phi12.7$	50	2.0	2.9	18.0	23.00	<1
SLSQ-15-20P	$\phi15$	20	2.0	5.9	16.0	9.20	<1
SLSQ-15-25P	$\phi15$	25	2.0	4.8	21.7	11.50	<1
SLSQ-15-30P	$\phi15$	30	2.0	4.2	27.1	13.80	<1
SLSQ-15-40P	$\phi15$	40	2.0	3.6	37.5	18.40	<1
SLSQ-15-50P	$\phi15$	50	2.0	3.3	47.8	23.00	<1
SLSQ-15-60P	$\phi15$	60	2.0	3.0	57.9	27.60	<1
SLSQ-15-70P	$\phi15$	70	2.0	2.9	68.0	32.20	<1
SLSQ-15-80P	$\phi15$	80	2.0	2.8	78.1	36.80	<1
SLSQ-15-90P	$\phi15$	90	2.0	2.7	88.2	41.40	<1
SLSQ-15-100P	$\phi15$	100	2.0	2.6	98.3	46.00	<1
SLSQ-20-25P	$\phi20$	25	2.0	7.8	19.6	11.50	<1
SLSQ-20-30P	$\phi20$	30	2.0	6.3	25.7	13.80	<1
SLSQ-20-40P	$\phi20$	40	2.0	5.0	36.6	18.40	<1
SLSQ-20-50P	$\phi20$	50	2.0	4.3	47.1	23.00	<1
SLSQ-20-60P	$\phi20$	60	2.0	3.9	57.3	27.60	<1
SLSQ-20-70P	$\phi20$	70	2.0	3.6	67.5	32.20	<1
SLSQ-20-80P	$\phi20$	80	2.0	3.4	77.7	36.80	<1
SLSQ-20-90P	$\phi20$	90	2.0	3.2	87.8	41.40	<1
SLSQ-20-100P	$\phi20$	100	2.0	3.1	97.9	46.00	<1
SLSQ-20-120P	$\phi20$	120	2.0	2.9	118.0	55.20	<1
SLSQ-20-150P	$\phi20$	150	2.0	2.7	148.1	69.00	<1
SLSQ-20-170P	$\phi20$	170	2.0	2.6	168.2	78.20	<1
SLSQ-20-200P	$\phi20$	200	2.0	2.5	198.3	92.00	<1

Compatible Optic Mounts

LHF-10S, -15S, -20S / MLH-10, -15 / LHF-12.7

Synthetic fused silica ϕ25 – ϕ30

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-25-30P	ϕ25	30	2.0	10.0	23.2	13.80	<1
SLSQ-25-35P	ϕ25	35	2.0	8.0	29.6	16.10	<1
SLSQ-25-40P	ϕ25	40	2.0	6.9	35.3	18.40	<1
SLSQ-25-50P	ϕ25	50	2.0	5.7	46.1	23.00	<1
SLSQ-25-60P	ϕ25	60	2.0	5.0	56.6	27.60	<1
SLSQ-25-70P	ϕ25	70	2.0	4.5	66.9	32.20	<1
SLSQ-25-80P	ϕ25	80	2.0	4.2	77.1	36.80	<1
SLSQ-25-90P	ϕ25	90	2.0	3.9	87.3	41.40	<1
SLSQ-25-100P	ϕ25	100	2.0	3.7	97.4	46.00	<1
SLSQ-25-120P	ϕ25	120	2.0	3.4	117.6	55.20	<1
SLSQ-25-150P	ϕ25	150	2.0	3.1	147.8	69.00	<1
SLSQ-25-170P	ϕ25	170	2.0	3.0	167.9	78.20	<1
SLSQ-25-200P	ϕ25	200	2.0	2.9	198.0	92.00	<1
SLSQ-25-220P	ϕ25	220	2.0	2.8	218.1	101.20	<1
SLSQ-25-250P	ϕ25	250	2.0	2.7	248.2	115.00	<1
SLSQ-25.4-30P	ϕ25.4	30	1.6	10.0	23.2	13.80	<1
SLSQ-25.4-35P	ϕ25.4	35	1.8	8.0	29.5	16.10	<1
SLSQ-25.4-40P	ϕ25.4	40	1.8	6.9	35.3	18.40	<1
SLSQ-25.4-50P	ϕ25.4	50	1.9	5.7	46.1	23.00	<1
SLSQ-25.4-60P	ϕ25.4	60	1.9	5.0	56.6	27.60	<1
SLSQ-25.4-70P	ϕ25.4	70	1.9	4.5	66.9	32.20	<1
SLSQ-25.4-80P	ϕ25.4	80	1.9	4.2	77.1	36.80	<1
SLSQ-25.4-90P	ϕ25.4	90	1.9	3.9	87.3	41.40	<1
SLSQ-25.4-100P	ϕ25.4	100	1.9	3.7	97.5	46.00	<1
SLSQ-25.4-150P	ϕ25.4	150	1.9	3.1	147.9	69.00	<1
SLSQ-25.4-200P	ϕ25.4	200	1.9	2.9	198.0	92.00	<1
SLSQ-25.4-250P	ϕ25.4	250	1.9	2.7	248.2	115.00	<1
SLSQ-25.4-300P	ϕ25.4	300	1.9	2.5	298.3	138.00	<3
SLSQ-25.4-400P	ϕ25.4	400	1.9	2.3	398.4	184.00	<3
SLSQ-25.4-500P	ϕ25.4	500	1.9	2.3	498.0	230.00	<3
SLSQ-25.4-1000P	ϕ25.4	1000	1.9	2.1	998.6	460.00	<3
SLSQ-30-35P	ϕ30	35	2.0	12.3	26.6	16.10	<1
SLSQ-30-40P	ϕ30	40	2.0	9.7	33.3	18.40	<1
SLSQ-30-50P	ϕ30	50	2.0	7.6	44.8	23.00	<1
SLSQ-30-60P	ϕ30	60	2.0	6.4	55.6	27.60	<1
SLSQ-30-70P	ϕ30	70	2.0	5.7	66.1	32.20	<1
SLSQ-30-80P	ϕ30	80	2.0	5.2	76.4	36.80	<1
SLSQ-30-90P	ϕ30	90	2.0	4.8	86.7	41.40	<1
SLSQ-30-100P	ϕ30	100	2.0	4.5	96.9	46.00	<1
SLSQ-30-120P	ϕ30	120	2.0	4.1	117.2	55.20	<1
SLSQ-30-150P	ϕ30	150	2.0	3.7	147.5	69.00	<1
SLSQ-30-170P	ϕ30	170	2.0	3.5	167.6	78.20	<1
SLSQ-30-200P	ϕ30	200	2.0	3.2	197.8	92.00	<1
SLSQ-30-220P	ϕ30	220	2.0	3.1	217.9	101.20	<1
SLSQ-30-250P	ϕ30	250	2.0	3.0	248.0	115.00	<1
SLSQ-30-300P	ϕ30	300	2.0	2.8	298.1	138.00	<1
SLSQ-30-350P	ϕ30	350	2.0	2.7	348.2	161.00	<3
SLSQ-30-400P	ϕ30	400	2.0	2.6	398.2	184.00	<3
SLSQ-30-450P	ϕ30	450	2.0	2.5	448.3	207.00	<3
SLSQ-30-500P	ϕ30	500	2.0	2.5	498.3	230.00	<3
SLSQ-30-600P	ϕ30	600	2.0	2.4	598.4	276.00	<3
SLSQ-30-700P	ϕ30	700	2.0	2.4	698.4	322.00	<3
SLSQ-30-800P	ϕ30	800	2.0	2.3	798.4	368.00	<3
SLSQ-30-900P	ϕ30	900	2.0	2.3	898.4	414.00	<3
SLSQ-30-1000P	ϕ30	1000	2.0	2.2	998.5	460.00	<3
SLSQ-30-1200P	ϕ30	1200	2.0	2.2	1198.5	552.00	<3
SLSQ-30-1500P	ϕ30	1500	2.0	2.2	1498.5	690.00	<3
SLSQ-30-2000P	ϕ30	2000	2.0	2.1	1998.5	920.00	<3
SLSQ-30-2500P	ϕ30	2500	2.0	2.1	2498.6	1150.00	<3
SLSQ-30-3000P	ϕ30	3000	2.0	2.1	2998.6	1380.00	<3
SLSQ-30-4000P	ϕ30	4000	2.0	2.1	3998.6	1840.00	<3
SLSQ-30-5000P	ϕ30	5000	2.0	2.1	4998.6	2300.00	<3

Compatible Optic Mounts

LHF-25S, -25.4S, -30S

Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

Catalog Code W3047

Synthetic fused silica ϕ40 – ϕ50.8

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-40-50P	ϕ40	50	2.0	13.6	40.7	23.00	<1
SLSQ-40-60P	ϕ40	60	2.0	10.6	52.8	27.60	<1
SLSQ-40-70P	ϕ40	70	2.0	9.0	63.9	32.20	<1
SLSQ-40-80P	ϕ40	80	2.0	7.9	74.6	36.80	<1
SLSQ-40-90P	ϕ40	90	2.0	7.2	85.1	41.40	<1
SLSQ-40-100P	ϕ40	100	2.0	6.6	95.5	46.00	<1
SLSQ-40-120P	ϕ40	120	2.0	5.8	116.1	55.20	<1
SLSQ-40-150P	ϕ40	150	2.0	5.0	146.6	69.00	<1
SLSQ-40-170P	ϕ40	170	2.0	4.6	166.8	78.20	<1
SLSQ-40-200P	ϕ40	200	2.0	4.2	197.1	92.00	<1
SLSQ-40-220P	ϕ40	220	2.0	4.0	217.3	101.20	<1
SLSQ-40-250P	ϕ40	250	2.0	3.8	247.4	115.00	<1
SLSQ-40-300P	ϕ40	300	2.0	3.5	297.6	138.00	<1
SLSQ-40-350P	ϕ40	350	2.0	3.2	347.8	161.00	<1
SLSQ-40-400P	ϕ40	400	2.0	3.1	397.9	184.00	<1
SLSQ-40-450P	ϕ40	450	2.0	3.0	448.0	207.00	<3
SLSQ-40-500P	ϕ40	500	2.0	2.9	498.0	230.00	<3
SLSQ-50-70P	ϕ50	70	3.0	14.9	59.8	32.20	<1
SLSQ-50-80P	ϕ50	80	3.0	12.8	71.2	36.80	<1
SLSQ-50-90P	ϕ50	90	3.0	11.4	82.2	41.40	<1
SLSQ-50-100P	ϕ50	100	3.0	10.4	92.9	46.00	<1
SLSQ-50-120P	ϕ50	120	3.0	9.0	113.8	55.20	<1
SLSQ-50-150P	ϕ50	150	3.0	7.7	144.7	69.00	<1
SLSQ-50-170P	ϕ50	170	3.0	7.1	165.1	78.20	<1
SLSQ-50-200P	ϕ50	200	3.0	6.5	195.6	92.00	<1
SLSQ-50-220P	ϕ50	220	3.0	6.1	215.8	101.20	<1
SLSQ-50-250P	ϕ50	250	3.0	5.8	246.1	115.00	<1
SLSQ-50-300P	ϕ50	300	3.0	5.3	296.4	138.00	<1
SLSQ-50-350P	ϕ50	350	3.0	5.0	346.6	161.00	<1
SLSQ-50-400P	ϕ50	400	3.0	4.7	396.8	184.00	<1
SLSQ-50-450P	ϕ50	450	3.0	4.5	446.9	207.00	<1
SLSQ-50-500P	ϕ50	500	3.0	4.4	497.0	230.00	<1
SLSQ-50-600P	ϕ50	600	3.0	4.1	597.2	276.00	<3
SLSQ-50-700P	ϕ50	700	3.0	4.0	697.3	322.00	<3
SLSQ-50-800P	ϕ50	800	3.0	3.9	797.4	368.00	<3
SLSQ-50-900P	ϕ50	900	3.0	3.8	897.4	414.00	<3
SLSQ-50-1000P	ϕ50	1000	3.0	3.7	997.5	460.00	<3
SLSQ-50-1200P	ϕ50	1200	3.0	3.6	1197.6	552.00	<3
SLSQ-50-1500P	ϕ50	1500	3.0	3.5	1497.6	690.00	<3
SLSQ-50-2000P	ϕ50	2000	3.0	3.3	1997.7	920.00	<3
SLSQ-50-2500P	ϕ50	2500	3.0	3.3	2497.8	1150.00	<3
SLSQ-50-3000P	ϕ50	3000	3.0	3.2	2997.8	1380.00	<3
SLSQ-50-4000P	ϕ50	4000	3.0	3.2	3997.8	1840.00	<3
SLSQ-50-5000P	ϕ50	5000	3.0	3.1	4997.9	2300.00	<3
SLSQ-50.8-70P	ϕ50.8	70	2.5	14.9	59.8	32.20	<1
SLSQ-50.8-80P	ϕ50.8	80	2.6	12.8	71.2	36.80	<1
SLSQ-50.8-90P	ϕ50.8	90	2.7	11.4	82.2	41.40	<1
SLSQ-50.8-100P	ϕ50.8	100	2.8	10.4	92.9	46.00	<1
SLSQ-50.8-120P	ϕ50.8	120	2.8	9.0	113.8	55.20	<1
SLSQ-50.8-150P	ϕ50.8	150	2.9	7.7	144.7	69.00	<1
SLSQ-50.8-170P	ϕ50.8	170	2.9	7.1	165.1	78.20	<1
SLSQ-50.8-200P	ϕ50.8	200	2.9	6.5	195.6	92.00	<1
SLSQ-50.8-250P	ϕ50.8	250	2.9	5.7	246.1	115.00	<1
SLSQ-50.8-300P	ϕ50.8	300	2.9	5.3	296.4	138.00	<1
SLSQ-50.8-400P	ϕ50.8	400	2.9	4.7	396.8	184.00	<1
SLSQ-50.8-500P	ϕ50.8	500	3.0	4.4	497.0	230.00	<1
SLSQ-50.8-1000P	ϕ50.8	1000	3.0	3.7	997.5	460.00	<3

Compatible Optic Mounts

LHF-40S, -50S, -50.8S

Synthetic fused silica ϕ60 – ϕ100

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQ-60-80P	ϕ60	80	3.0	18.5	67.3	36.80	<1
SLSQ-60-90P	ϕ60	90	3.0	15.9	79.1	41.40	<1
SLSQ-60-100P	ϕ60	100	3.0	14.1	90.3	46.00	<1
SLSQ-60-120P	ϕ60	120	3.0	11.9	111.9	55.20	<1
SLSQ-60-150P	ϕ60	150	3.0	9.9	143.2	69.00	<1
SLSQ-60-170P	ϕ60	170	3.0	9.0	163.8	78.20	<1
SLSQ-60-200P	ϕ60	200	3.0	8.0	194.5	92.00	<1
SLSQ-60-220P	ϕ60	220	3.0	7.5	214.8	101.20	<1
SLSQ-60-250P	ϕ60	250	3.0	7.0	245.2	115.00	<1
SLSQ-60-300P	ϕ60	300	3.0	6.3	295.7	138.00	<1
SLSQ-60-350P	ϕ60	350	3.0	5.8	346.0	161.00	<1
SLSQ-60-400P	ϕ60	400	3.0	5.5	396.3	184.00	<1
SLSQ-60-450P	ϕ60	450	3.0	5.2	446.5	207.00	<1
SLSQ-60-500P	ϕ60	500	3.0	5.0	496.6	230.00	<1
SLSQ-100-200P	ϕ100	200	3.0	17.8	187.8	92.00	<1
SLSQ-100-250P	ϕ100	250	3.0	14.4	240.1	115.00	<1
SLSQ-100-300P	ϕ100	300	3.0	12.4	291.5	138.00	<1
SLSQ-100-350P	ϕ100	350	3.0	11.0	342.5	161.00	<1
SLSQ-100-400P	ϕ100	400	3.0	9.9	393.2	184.00	<1
SLSQ-100-500P	ϕ100	500	3.0	8.5	494.2	230.00	<1
SLSQ-100-600P	ϕ100	600	3.0	7.6	594.8	276.00	<1
SLSQ-100-700P	ϕ100	700	3.0	6.9	695.3	322.00	<1
SLSQ-100-800P	ϕ100	800	3.0	6.4	795.6	368.00	<1
SLSQ-100-1000P	ϕ100	1000	3.0	5.7	995.1	460.00	<1

Synthetic fused silica for Excimer Laser ϕ30, ϕ50

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [′]
SLSQK-30-40P	ϕ30	40	2.0	9.7	33.3	18.40	<1
SLSQK-30-50P	ϕ30	50	2.0	7.6	44.8	23.00	<1
SLSQK-30-60P	ϕ30	60	2.0	6.4	55.6	27.60	<1
SLSQK-30-80P	ϕ30	80	2.0	5.2	76.4	36.80	<1
SLSQK-30-100P	ϕ30	100	2.0	4.5	96.9	46.00	<1
SLSQK-30-150P	ϕ30	150	2.0	3.7	147.5	69.00	<1
SLSQK-30-200P	ϕ30	200	2.0	3.2	197.8	92.00	<1
SLSQK-30-300P	ϕ30	300	2.0	2.8	298.1	138.00	<1
SLSQK-50-70P	ϕ50	70	3.0	14.9	59.8	32.20	<1
SLSQK-50-100P	ϕ50	100	3.0	10.4	92.9	46.00	<1
SLSQK-50-150P	ϕ50	150	3.0	7.7	144.7	69.00	<1
SLSQK-50-200P	ϕ50	200	3.0	6.5	195.6	92.00	<1
SLSQK-50-300P	ϕ50	300	3.0	5.3	296.4	138.00	<1
SLSQK-50-400P	ϕ50	400	3.0	4.7	396.8	184.00	<1
SLSQK-50-500P	ϕ50	500	3.0	4.4	497.0	230.00	<1

Compatible Optic Mounts

LHF-60AS, -100 / LHF-30S, -50S