

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

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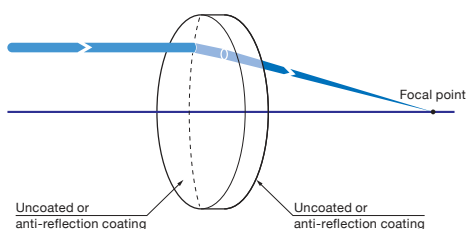
These are simple lenses having a flat surface on one side and a spherical surface on the other. They are also very close to the form which minimizes spherical aberration for infinite conjugate applications.

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 wavelengths 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.

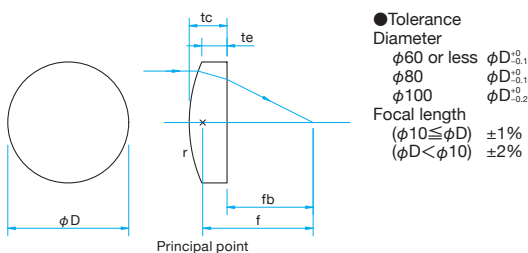


Schematic



Outline Drawing

(in mm)



How to specify the anti-reflection coating

In case of specifying an anti-reflection coating 633nm – 1064nm to near infrared lens of SLB-100-500P.
⇒ SLB-100-500PIR1

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.

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

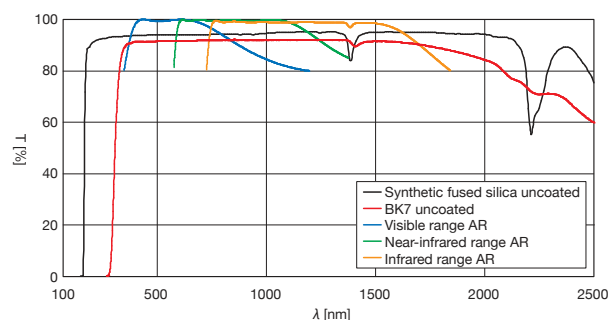
Guide

- ▶ 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
- ▶ Transmission 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.

Typical Transmittance Data T: Transmission





BK7 $\phi 5 - \phi 12.7$

Part Number	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness t_e [mm]	Center thickness t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']
	Uncoated	Visibe 400 - 700nm	Near-infrared 633 - 1064nm							
SLB-05-08P	M	IR1	IR2	$\phi 5$	8	1.4	2.3	6.5	4.15	<3
SLB-05-10P	M	IR1	IR2	$\phi 5$	10	1.3	2.0	8.7	5.19	<3
SLB-05-12P	M	IR1	IR2	$\phi 5$	12	1.2	1.8	10.8	6.23	<3
SLB-05-15P	M	IR1	IR2	$\phi 5$	15	1.2	1.6	13.9	7.79	<3
SLB-05-20P	M	IR1	IR2	$\phi 5$	20	1.1	1.4	19.1	10.38	<3
SLB-05-25P	M	IR1	IR2	$\phi 5$	25	1.1	1.4	24.1	12.98	<3
SLB-05-30P	M	IR1	IR2	$\phi 5$	30	1.1	1.3	29.1	15.57	<3
SLB-06-08P	M	IR1	IR2	$\phi 6$	8	1.0	2.3	6.5	4.15	<3
SLB-06-09P	M	IR1	IR2	$\phi 6$	9	1.0	2.1	7.6	4.67	<3
SLB-06-10P	M	IR1	IR2	$\phi 6$	10	1.0	2.0	8.7	5.19	<3
SLB-06-12P	M	IR1	IR2	$\phi 6$	12	1.0	1.8	10.8	6.23	<3
SLB-06-15P	M	IR1	IR2	$\phi 6$	15	1.0	1.6	13.9	7.79	<3
SLB-06-20P	M	IR1	IR2	$\phi 6$	20	1.0	1.4	19.1	10.38	<3
SLB-06-25P	M	IR1	IR2	$\phi 6$	25	1.0	1.4	24.1	12.98	<3
SLB-06-30P	M	IR1	IR2	$\phi 6$	30	1.0	1.3	29.1	15.57	<3
SLB-07-10P	M	IR1	IR2	$\phi 7$	10	2.0	3.4	7.8	5.19	<3
SLB-07-12P	M	IR1	IR2	$\phi 7$	12	1.9	3.0	10.1	6.23	<3
SLB-07-15P	M	IR1	IR2	$\phi 7$	15	1.8	2.6	13.3	7.79	<3
SLB-07-20P	M	IR1	IR2	$\phi 7$	20	1.7	2.3	18.5	10.38	<3
SLB-07-25P	M	IR1	IR2	$\phi 7$	25	1.7	2.1	23.6	12.98	<3
SLB-07-30P	M	IR1	IR2	$\phi 7$	30	1.6	2.0	28.7	15.57	<3
SLB-07-40P	M	IR1	IR2	$\phi 7$	40	1.6	1.9	38.8	20.76	<3
SLB-07-50P	M	IR1	IR2	$\phi 7$	50	1.6	1.8	48.8	25.95	<3
SLB-08-10P	M	IR1	IR2	$\phi 8$	10	1.5	3.4	7.8	5.19	<3
SLB-08-12P	M	IR1	IR2	$\phi 8$	12	1.5	3.0	10.1	6.23	<3
SLB-08-15P	M	IR1	IR2	$\phi 8$	15	1.5	2.6	13.3	7.79	<3
SLB-08-20P	M	IR1	IR2	$\phi 8$	20	1.5	2.3	18.5	10.38	<3
SLB-08-25P	M	IR1	IR2	$\phi 8$	25	1.5	2.1	23.6	12.98	<3
SLB-08-30P	M	IR1	IR2	$\phi 8$	30	1.5	2.0	28.7	15.57	<3
SLB-08-40P	M	IR1	IR2	$\phi 8$	40	1.5	1.9	38.8	20.76	<3
SLB-08-50P	M	IR1	IR2	$\phi 8$	50	1.5	1.8	48.8	25.95	<3
SLB-10-15P	M	IR1	IR2	$\phi 10$	15	2.0	3.8	12.5	7.79	<1
SLB-10-20P	M	IR1	IR2	$\phi 10$	20	2.0	3.3	17.8	10.38	<1
SLB-10-25P	M	IR1	IR2	$\phi 10$	25	2.0	3.0	23.0	12.98	<1
SLB-10-30P	M	IR1	IR2	$\phi 10$	30	2.0	2.8	28.1	15.57	<1
SLB-10-40P	M	IR1	IR2	$\phi 10$	40	2.0	2.6	38.3	20.76	<1
SLB-10-50P	M	IR1	IR2	$\phi 10$	50	2.0	2.5	48.4	25.95	<1
SLB-10-60P	M	IR1	IR2	$\phi 10$	60	2.0	2.4	58.4	31.14	<1
SLB-10-70P	M	IR1	IR2	$\phi 10$	70	2.0	2.3	68.5	36.33	<1
SLB-10-80P	M	IR1	IR2	$\phi 10$	80	2.0	2.3	78.5	41.52	<1
SLB-10-100P	M	IR1	IR2	$\phi 10$	100	2.0	2.2	98.5	51.90	<1
SLB-12.7-20P	M	IR1	IR2	$\phi 12.7$	20	2.0	4.2	17.2	10.38	<1
SLB-12.7-25P	M	IR1	IR2	$\phi 12.7$	25	2.0	3.7	22.6	12.98	<1
SLB-12.7-30P	M	IR1	IR2	$\phi 12.7$	30	2.0	3.4	27.8	15.57	<1
SLB-12.7-40P	M	IR1	IR2	$\phi 12.7$	40	2.0	3.0	38.0	20.76	<1
SLB-12.7-50P	M	IR1	IR2	$\phi 12.7$	50	2.0	2.8	48.2	25.95	<1
SLB-12.7-60P	M	IR1	IR2	$\phi 12.7$	60	2.0	2.7	58.3	31.14	<1
SLB-12.7-70P	M	IR1	IR2	$\phi 12.7$	70	2.0	2.6	68.3	36.33	<1
SLB-12.7-80P	M	IR1	IR2	$\phi 12.7$	80	2.0	2.5	78.4	41.52	<1
SLB-12.7-100P	M	IR1	IR2	$\phi 12.7$	100	2.0	2.4	98.5	51.90	<1

Compatible Optic Mounts

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

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BK7 $\phi 15 - \phi 25.4$

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

Compatible Optic Mounts

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



BK7 ϕ30 – ϕ40										
Part Number	How to specify the anti-reflection coating			Diameter ϕ D [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	Radius of curvature r [mm]	Centration [']
	Uncoated	Visibe 400 – 700nm	Near-infrared 633 – 1064nm							
SLB-30-35P	M	IR1	IR2	ϕ 30	35	2.0	9.9	28.5	18.17	<1
SLB-30-40P	M	IR1	IR2	ϕ 30	40	2.0	8.4	34.5	20.76	<1
SLB-30-50P	M	IR1	IR2	ϕ 30	50	2.0	6.8	45.5	25.95	<1
SLB-30-60P	M	IR1	IR2	ϕ 30	60	2.0	5.9	56.1	31.14	<1
SLB-30-70P	M	IR1	IR2	ϕ 30	70	2.0	5.2	66.5	36.33	<1
SLB-30-80P	M	IR1	IR2	ϕ 30	80	2.0	4.8	76.8	41.52	<1
SLB-30-90P	M	IR1	IR2	ϕ 30	90	2.0	4.5	87.1	46.71	<1
SLB-30-100P	M	IR1	IR2	ϕ 30	100	2.0	4.2	97.2	51.90	<1
SLB-30-120P	M	IR1	IR2	ϕ 30	120	2.0	3.8	117.5	62.28	<1
SLB-30-150P	M	IR1	IR2	ϕ 30	150	2.0	3.5	147.7	77.85	<1
SLB-30-170P	M	IR1	IR2	ϕ 30	170	2.0	3.3	167.8	88.23	<1
SLB-30-200P	M	IR1	IR2	ϕ 30	200	2.0	3.1	198.0	103.80	<1
SLB-30-220P	M	IR1	IR2	ϕ 30	220	2.0	3.0	218.0	114.18	<1
SLB-30-250P	M	IR1	IR2	ϕ 30	250	2.0	2.9	248.1	129.75	<1
SLB-30-300P	M	IR1	IR2	ϕ 30	300	2.0	2.7	298.2	155.70	<1
SLB-30-350P	M	IR1	IR2	ϕ 30	350	2.0	2.6	348.3	181.65	<3
SLB-30-400P	M	IR1	IR2	ϕ 30	400	2.0	2.5	398.2	207.60	<3
SLB-30-450P	M	IR1	IR2	ϕ 30	450	2.0	2.5	448.4	233.55	<3
SLB-30-500P	M	IR1	IR2	ϕ 30	500	2.0	2.4	498.4	259.50	<3
SLB-30-600P	M	IR1	IR2	ϕ 30	600	2.0	2.4	598.4	311.40	<3
SLB-30-700P	M	IR1	IR2	ϕ 30	700	2.0	2.3	698.5	363.30	<3
SLB-30-800P	M	IR1	IR2	ϕ 30	800	2.0	2.3	798.5	415.20	<3
SLB-30-900P	M	IR1	IR2	ϕ 30	900	2.0	2.2	898.5	467.10	<3
SLB-30-1000P	M	IR1	IR2	ϕ 30	1000	2.0	2.2	998.5	519.00	<3
SLB-30-1200P	M	IR1	IR2	ϕ 30	1200	2.0	2.2	1198.6	622.80	<3
SLB-30-1500P	M	IR1	IR2	ϕ 30	1500	2.0	2.1	1498.6	778.50	<3
SLB-30-2000P	M	IR1	IR2	ϕ 30	2000	2.0	2.1	1998.6	1038.00	<3
SLB-30-2500P	M	IR1	IR2	ϕ 30	2500	2.0	2.1	2498.6	1297.50	<3
SLB-30-3000P	M	IR1	IR2	ϕ 30	3000	2.0	2.1	2998.6	1557	<3
SLB-30-4000P	M	IR1	IR2	ϕ 30	4000	2.0	2.1	3998.6	2076	<3
SLB-30-5000P	M	IR1	IR2	ϕ 30	5000	2.0	2.1	4998.6	2595	<3
SLB-40-50P	M	IR1	IR2	ϕ 40	50	2.0	11.4	42.5	25.95	<1
SLB-40-60P	M	IR1	IR2	ϕ 40	60	2.0	9.3	53.9	31.14	<1
SLB-40-70P	M	IR1	IR2	ϕ 40	70	2.0	8.0	64.7	36.33	<1
SLB-40-80P	M	IR1	IR2	ϕ 40	80	2.0	7.1	75.3	41.52	<1
SLB-40-90P	M	IR1	IR2	ϕ 40	90	2.0	6.5	85.7	46.71	<1
SLB-40-100P	M	IR1	IR2	ϕ 40	100	2.0	6.0	96.0	51.90	<1
SLB-40-120P	M	IR1	IR2	ϕ 40	120	2.0	5.3	116.5	62.28	<1
SLB-40-150P	M	IR1	IR2	ϕ 40	150	2.0	4.6	147.0	77.85	<1
SLB-40-170P	M	IR1	IR2	ϕ 40	170	2.0	4.3	167.2	88.23	<1
SLB-40-200P	M	IR1	IR2	ϕ 40	200	2.0	3.9	197.4	103.80	<1
SLB-40-250P	M	IR1	IR2	ϕ 40	250	2.0	3.6	247.7	129.75	<1
SLB-40-300P	M	IR1	IR2	ϕ 40	300	2.0	3.3	297.7	155.70	<1
SLB-40-350P	M	IR1	IR2	ϕ 40	350	2.0	3.1	348.0	181.65	<1
SLB-40-400P	M	IR1	IR2	ϕ 40	400	2.0	3.0	398.0	207.60	<1
SLB-40-450P	M	IR1	IR2	ϕ 40	450	2.0	2.9	448.1	233.55	<3
SLB-40-500P	M	IR1	IR2	ϕ 40	500	2.0	2.8	498.2	259.50	<3
SLB-40-1000P	M	IR1	IR2	ϕ 40	1000	2.0	2.4	998.4	519.00	<3

Compatible Optic Mounts

LHF-30S, -40S

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BK7 $\phi 50 - \phi 60$

Application Systems	Uncoated		How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness t_e [mm]	Center thickness t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']
	Part Number	Visible 400 - 700nm	Near-infrared 633 - 1064nm	Infrared 750 - 1550nm								
Optics & Optical Coatings	SLB-50-70P	M	IR1	IR2	$\phi 50$	70	3.0	13.0	61.5	36.33	<1	
	SLB-50-80P	M	IR1	IR2	$\phi 50$	80	3.0	11.4	72.5	41.52	<1	
	SLB-50-90P	M	IR1	IR2	$\phi 50$	90	3.0	10.3	83.2	46.71	<1	
Opto-Mechanics	SLB-50-100P	M	IR1	IR2	$\phi 50$	100	3.0	9.4	93.8	51.90	<1	
	SLB-50-120P	M	IR1	IR2	$\phi 50$	120	3.0	8.2	114.6	62.28	<1	
	SLB-50-150P	M	IR1	IR2	$\phi 50$	150	3.0	7.1	145.3	77.85	<1	
Bases	SLB-50-170P	M	IR1	IR2	$\phi 50$	170	3.0	6.6	165.6	88.23	<1	
	SLB-50-200P	M	IR1	IR2	$\phi 50$	200	3.0	6.1	196.0	103.80	<1	
Manual Stages	SLB-50-220P	M	IR1	IR2	$\phi 50$	220	3.0	5.8	216.2	114.18	<1	
	SLB-50-250P	M	IR1	IR2	$\phi 50$	250	3.0	5.4	246.4	129.75	<1	
Actuators & Adjusters	SLB-50-300P	M	IR1	IR2	$\phi 50$	300	3.0	5.0	296.7	155.70	<1	
	SLB-50-350P	M	IR1	IR2	$\phi 50$	350	3.0	4.7	346.9	181.65	<1	
	SLB-50-400P	M	IR1	IR2	$\phi 50$	400	3.0	4.5	397.0	207.60	<1	
Motorized Stages	SLB-50-450P	M	IR1	IR2	$\phi 50$	450	3.0	4.3	447.1	233.55	<1	
	SLB-50-500P	M	IR1	IR2	$\phi 50$	500	3.0	4.2	497.2	259.50	<1	
	SLB-50-600P	M	IR1	IR2	$\phi 50$	600	3.0	4.0	597.4	311.40	<3	
Light Sources & Laser Safety	SLB-50-700P	M	IR1	IR2	$\phi 50$	700	3.0	3.9	697.5	363.30	<3	
	SLB-50-800P	M	IR1	IR2	$\phi 50$	800	3.0	3.8	797.4	415.20	<3	
	SLB-50-900P	M	IR1	IR2	$\phi 50$	900	3.0	3.7	897.6	467.10	<3	
Index	SLB-50-1000P	M	IR1	IR2	$\phi 50$	1000	3.0	3.6	997.6	519.00	<3	
	SLB-50-1200P	M	IR1	IR2	$\phi 50$	1200	3.0	3.5	1197.7	622.80	<3	
	SLB-50-1500P	M	IR1	IR2	$\phi 50$	1500	3.0	3.4	1497.8	778.50	<3	
Guide	SLB-50-2000P	M	IR1	IR2	$\phi 50$	2000	3.0	3.3	1997.8	1038.00	<3	
	SLB-50-2500P	M	IR1	IR2	$\phi 50$	2500	3.0	3.2	2497.9	1297.5	<3	
	SLB-50-3000P	M	IR1	IR2	$\phi 50$	3000	3.0	3.2	2997.9	1557.00	<3	
Mirrors	SLB-50-4000P	M	IR1	IR2	$\phi 50$	4000	3.0	3.2	3997.9	2076.00	<3	
	SLB-50-5000P	M	IR1	IR2	$\phi 50$	5000	3.0	3.1	4997.9	2595.00	<3	
Beamsplitters	SLB-50.8-70P	M	IR1	IR2	$\phi 50.8$	70	3.0	13.4	61.2	36.33	<1	
	SLB-50.8-80P	M	IR1	IR2	$\phi 50.8$	80	3.0	11.7	72.3	41.52	<1	
Polarizers	SLB-50.8-90P	M	IR1	IR2	$\phi 50.8$	90	3.0	10.3	83.2	46.71	<1	
	SLB-50.8-100P	M	IR1	IR2	$\phi 50.8$	100	3.0	9.6	93.7	51.90	<1	
Lenses	SLB-50.8-120P	M	IR1	IR2	$\phi 50.8$	120	2.8	8.2	114.6	62.28	<1	
	SLB-50.8-150P	M	IR1	IR2	$\phi 50.8$	150	2.8	7.1	145.3	77.85	<1	
Multi-Element Optics	SLB-50.8-170P	M	IR1	IR2	$\phi 50.8$	170	3.0	6.6	165.7	88.23	<1	
	SLB-50.8-200P	M	IR1	IR2	$\phi 50.8$	200	2.9	6.1	196.0	103.8	<1	
Filters	SLB-50.8-250P	M	IR1	IR2	$\phi 50.8$	250	2.9	5.4	246.4	129.75	<1	
	SLB-50.8-300P	M	IR1	IR2	$\phi 50.8$	300	2.9	5.0	296.7	155.70	<1	
Prisms	SLB-50.8-400P	M	IR1	IR2	$\phi 50.8$	400	3.0	4.5	397.0	207.60	<1	
	SLB-50.8-500P	M	IR1	IR2	$\phi 50.8$	500	3.0	4.2	497.2	259.50	<1	
Substrates/Windows	SLB-50.8-700P	M	IR1	IR2	$\phi 50.8$	700	3.0	3.9	697.4	363.30	<3	
	SLB-50.8-1000P	M	IR1	IR2	$\phi 50.8$	1000	3.0	3.6	997.6	519.00	<3	
Optical Data	SLB-60-70P	M	IR1	IR2	$\phi 60$	70	3.0	18.8	57.6	36.33	<1	
	SLB-60-80P	M	IR1	IR2	$\phi 60$	80	3.0	15.8	69.6	41.52	<1	
Maintenance	SLB-60-90P	M	IR1	IR2	$\phi 60$	90	3.0	13.9	80.8	46.71	<1	
	SLB-60-100P	M	IR1	IR2	$\phi 60$	100	3.0	12.5	91.7	51.90	<1	
Selection Guide	SLB-60-120P	M	IR1	IR2	$\phi 60$	120	3.0	10.7	113.0	62.28	<1	
	SLB-60-150P	M	IR1	IR2	$\phi 60$	150	3.0	9.0	144.1	77.85	<1	
Plano Convex Lenses	SLB-60-170P	M	IR1	IR2	$\phi 60$	170	3.0	8.3	164.6	88.23	<1	
	SLB-60-200P	M	IR1	IR2	$\phi 60$	200	3.0	7.4	195.1	103.80	<1	
Plano Concave Lenses	SLB-60-250P	M	IR1	IR2	$\phi 60$	250	3	6.5	245.7	129.75	<1	
	SLB-60-300P	M	IR1	IR2	$\phi 60$	300	3.0	5.9	296.1	155.70	<1	
Biconvex Lenses	SLB-60-400P	M	IR1	IR2	$\phi 60$	400	3.0	5.2	396.6	207.60	<1	
	SLB-60-500P	M	IR1	IR2	$\phi 60$	500	3.0	4.7	496.9	259.50	<1	
Biconcave Lenses	SLB-60-1000P	M	IR1	IR2	$\phi 60$	1000	3.0	3.9	997.5	519.00	<3	
	SLB-60-170P	M	IR1	IR2	$\phi 60$	170	3.0	8.3	164.6	88.23	<1	
Kit	SLB-60-200P	M	IR1	IR2	$\phi 60$	200	3.0	7.4	195.1	103.80	<1	
	SLB-60-250P	M	IR1	IR2	$\phi 60$	250	3	6.5	245.7	129.75	<1	
Reasonable Lens	SLB-60-300P	M	IR1	IR2	$\phi 60$	300	3.0	5.9	296.1	155.70	<1	
	SLB-60-400P	M	IR1	IR2	$\phi 60$	400	3.0	5.2	396.6	207.60	<1	
Cylindrical	SLB-60-500P	M	IR1	IR2	$\phi 60$	500	3.0	4.7	496.9	259.50	<1	
	SLB-60-1000P	M	IR1	IR2	$\phi 60$	1000	3.0	3.9	997.5	519.00	<3	
Others	SLB-60-170P	M	IR1	IR2	$\phi 60$	170	3.0	8.3	164.6	88.23	<1	
	SLB-60-200P	M	IR1	IR2	$\phi 60$	200	3.0	7.4	195.1	103.80	<1	
Others	SLB-60-250P	M	IR1	IR2	$\phi 60$	250	3	6.5	245.7	129.75	<1	
	SLB-60-300P	M	IR1	IR2	$\phi 60$	300	3.0	5.9	296.1	155.70	<1	
Others	SLB-60-400P	M	IR1	IR2	$\phi 60$	400	3.0	5.2	396.6	207.60	<1	
	SLB-60-500P	M	IR1	IR2	$\phi 60$	500	3.0	4.7	496.9	259.50	<1	
Others	SLB-60-1000P	M	IR1	IR2	$\phi 60$	1000	3.0	3.9	997.5	519.00	<3	

Compatible Optic Mounts

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



BK7 $\phi 80 - \phi 100$										
Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Edge thickness t_e [mm]	Center thickness t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']
Part Number	Visible 400 - 700nm	Near-infrared 633 - 1064nm	Infrared 750 - 1550nm							
SLB-80-100P	M	IR1	IR2	$\phi 80$	100	3.0	21.8	85.6	51.90	<1
SLB-80-150P	M	IR1	IR2	$\phi 80$	150	3.0	14.1	140.8	77.85	<1
SLB-80-200P	M	IR1	IR2	$\phi 80$	200	3.0	11.0	192.7	103.80	<1
SLB-80-250P	M	IR1	IR2	$\phi 80$	250	3.0	9.3	243.9	129.75	<1
SLB-80-300P	M	IR1	IR2	$\phi 80$	300	3.0	8.2	294.6	155.70	<1
SLB-80-350P	M	IR1	IR2	$\phi 80$	350	3.0	7.5	345.1	181.65	<1
SLB-80-400P	M	IR1	IR2	$\phi 80$	400	3.0	6.9	395.5	207.60	<1
SLB-80-500P	M	IR1	IR2	$\phi 80$	500	3.0	6.1	496.0	259.50	<1
SLB-80-700P	M	IR1	IR2	$\phi 80$	700	3.0	5.2	696.6	363.30	<1
SLB-80-800P	M	IR1	IR2	$\phi 80$	800	3.0	4.9	796.8	415.20	<1
SLB-80-1000P	M	IR1	IR2	$\phi 80$	1000	3.0	4.5	997.0	519.00	<3
SLB-100-150P	M	IR1	IR2	$\phi 100$	150	3.0	21.2	136.1	77.85	<1
SLB-100-200P	M	IR1	IR2	$\phi 100$	200	3.0	15.8	189.6	103.80	<1
SLB-100-250P	M	IR1	IR2	$\phi 100$	250	3.0	13.0	241.4	129.75	<1
SLB-100-300P	M	IR1	IR2	$\phi 100$	300	3.0	11.2	292.6	155.70	<1
SLB-100-350P	M	IR1	IR2	$\phi 100$	350	3.0	10.0	343.4	181.65	<1
SLB-100-400P	M	IR1	IR2	$\phi 100$	400	3.0	9.1	394.4	207.60	<1
SLB-100-500P	M	IR1	IR2	$\phi 100$	500	3.0	7.9	494.8	259.50	<1
SLB-100-600P	M	IR1	IR2	$\phi 100$	600	3.0	7.0	595.4	311.40	<1
SLB-100-700P	M	IR1	IR2	$\phi 100$	700	3.0	6.5	695.7	363.30	<1
SLB-100-800P	M	IR1	IR2	$\phi 100$	800	3.0	6.0	796.0	415.20	<1
SLB-100-1000P	M	IR1	IR2	$\phi 100$	1000	3.0	5.4	996.4	519.00	<1

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- Plano Concave Lenses
- Biconvex Lenses
- Biconcave Lenses
- Kit
- Reasonable Lens
- Cylindrical
- Others

Compatible Optic Mounts

LHF-80, -100

Synthetic fused silica $\phi 5 - \phi 20$

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Edge thickness t_e [mm]	Center thickness t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']
SLSQ-05-08P	$\phi 5$	8	1.6	2.5	6.3	3.68	<3
SLSQ-05-09P	$\phi 5$	9	1.4	2.3	7.6	4.14	<3
SLSQ-05-10P	$\phi 5$	10	1.4	2.1	8.6	4.60	<3
SLSQ-05-12P	$\phi 5$	12	1.3	1.9	10.7	5.52	<3
SLSQ-05-15P	$\phi 5$	15	1.2	1.7	13.8	6.90	<3
SLSQ-05-20P	$\phi 5$	20	1.2	1.5	19.0	9.20	<3
SLSQ-05-30P	$\phi 5$	30	1.1	1.3	29.1	13.80	<3
SLSQ-06-08P	$\phi 6$	8	1.0	2.5	6.3	3.68	<3
SLSQ-06-10P	$\phi 6$	10	1.0	2.1	8.6	4.60	<3
SLSQ-06-12P	$\phi 6$	12	1.0	1.9	10.7	5.52	<3
SLSQ-06-15P	$\phi 6$	15	1.0	1.7	13.8	6.90	<3
SLSQ-06-20P	$\phi 6$	20	1.0	1.5	19.0	9.20	<3
SLSQ-06-25P	$\phi 6$	25	1.0	1.4	24.0	11.50	<3
SLSQ-06-30P	$\phi 6$	30	1.0	1.3	29.1	13.80	<3
SLSQ-07-10P	$\phi 7$	10	2.2	3.8	7.4	4.60	<3
SLSQ-07-12P	$\phi 7$	12	2.0	3.2	9.8	5.52	<3
SLSQ-07-15P	$\phi 7$	15	1.8	2.8	13.1	6.90	<3
SLSQ-07-20P	$\phi 7$	20	1.7	2.4	18.3	9.20	<3
SLSQ-07-30P	$\phi 7$	30	1.6	2.1	28.6	13.80	<3
SLSQ-07-40P	$\phi 7$	40	1.6	1.9	38.7	18.40	<3
SLSQ-07-50P	$\phi 7$	50	1.6	1.9	48.7	23.00	<3
SLSQ-08-10P	$\phi 8$	10	1.5	3.8	7.4	4.60	<3
SLSQ-08-12P	$\phi 8$	12	1.5	3.2	9.8	5.52	<3
SLSQ-08-15P	$\phi 8$	15	1.5	2.8	13.1	6.90	<3
SLSQ-08-20P	$\phi 8$	20	1.5	2.4	18.3	9.20	<3
SLSQ-08-25P	$\phi 8$	25	1.5	2.2	23.5	11.50	<3
SLSQ-08-30P	$\phi 8$	30	1.5	2.1	28.6	13.80	<3
SLSQ-10-15P	$\phi 10$	15	2.0	4.1	12.2	6.90	<1
SLSQ-10-20P	$\phi 10$	20	2.0	3.5	17.6	9.20	<1
SLSQ-10-25P	$\phi 10$	25	2.0	3.1	22.8	11.50	<1
SLSQ-10-30P	$\phi 10$	30	2.0	2.9	28.0	13.80	<1
SLSQ-10-40P	$\phi 10$	40	2.0	2.7	38.2	18.40	<1
SLSQ-10-50P	$\phi 10$	50	2.0	2.6	48.3	23.00	<1
SLSQ-10-60P	$\phi 10$	60	2.0	2.5	58.3	27.60	<1
SLSQ-10-70P	$\phi 10$	70	2.0	2.4	68.4	32.20	<1
SLSQ-10-80P	$\phi 10$	80	2.0	2.3	78.4	36.80	<1
SLSQ-10-100P	$\phi 10$	100	2.0	2.3	98.4	46.00	<1
SLSQ-12.7-15P	$\phi 12.7$	15	2.0	6.2	10.8	6.90	<1
SLSQ-12.7-20P	$\phi 12.7$	20	2.0	4.5	16.9	9.20	<1
SLSQ-12.7-25P	$\phi 12.7$	25	2.0	3.9	22.3	11.50	<1
SLSQ-12.7-40P	$\phi 12.7$	40	2.0	3.1	37.9	18.40	<1
SLSQ-12.7-50P	$\phi 12.7$	50	2.0	2.9	48.0	23.00	<1
SLSQ-15-20P	$\phi 15$	20	2.0	5.9	16.0	9.20	<1
SLSQ-15-25P	$\phi 15$	25	2.0	4.8	21.7	11.50	<1
SLSQ-15-30P	$\phi 15$	30	2.0	4.2	27.1	13.80	<1
SLSQ-15-40P	$\phi 15$	40	2.0	3.6	37.5	18.40	<1
SLSQ-15-50P	$\phi 15$	50	2.0	3.3	47.8	23.00	<1
SLSQ-15-60P	$\phi 15$	60	2.0	3.0	57.9	27.60	<1
SLSQ-15-70P	$\phi 15$	70	2.0	2.9	68.0	32.20	<1
SLSQ-15-80P	$\phi 15$	80	2.0	2.8	78.1	36.80	<1
SLSQ-15-90P	$\phi 15$	90	2.0	2.7	88.2	41.40	<1
SLSQ-15-100P	$\phi 15$	100	2.0	2.6	98.3	46.00	<1
SLSQ-20-25P	$\phi 20$	25	2.0	7.8	19.6	11.50	<1
SLSQ-20-30P	$\phi 20$	30	2.0	6.3	25.7	13.80	<1
SLSQ-20-40P	$\phi 20$	40	2.0	5.0	36.6	18.40	<1
SLSQ-20-50P	$\phi 20$	50	2.0	4.3	47.1	23.00	<1
SLSQ-20-60P	$\phi 20$	60	2.0	3.9	57.3	27.60	<1
SLSQ-20-70P	$\phi 20$	70	2.0	3.6	67.5	32.20	<1
SLSQ-20-80P	$\phi 20$	80	2.0	3.4	77.7	36.80	<1
SLSQ-20-90P	$\phi 20$	90	2.0	3.2	87.8	41.40	<1
SLSQ-20-100P	$\phi 20$	100	2.0	3.1	97.9	46.00	<1
SLSQ-20-120P	$\phi 20$	120	2.0	2.9	118.0	55.20	<1
SLSQ-20-150P	$\phi 20$	150	2.0	2.7	148.1	69.00	<1
SLSQ-20-170P	$\phi 20$	170	2.0	2.6	168.2	78.20	<1
SLSQ-20-200P	$\phi 20$	200	2.0	2.5	198.3	92.00	<1

Compatible Optic Mounts

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



Synthetic fused silica $\phi 25 - \phi 30$

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

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

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

Compatible Optic Mounts

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



Synthetic fused silica $\phi 60 - \phi 100$

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

Synthetic fused silica for Excimer Laser $\phi 30, \phi 50$

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

Compatible Optic Mounts

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

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