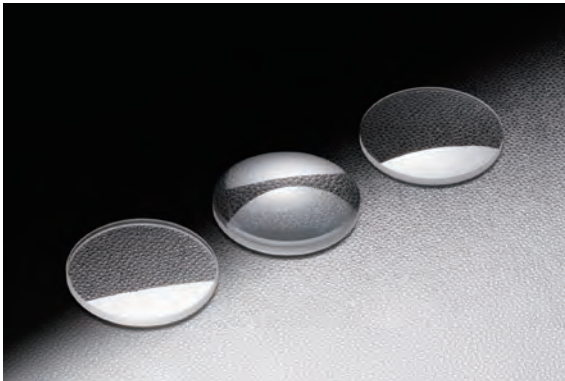


Plano Convex Lenses | SLB-P/SLSQ-P/SLSQK-P

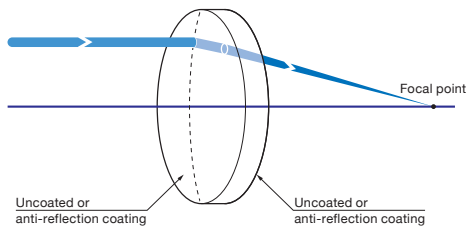
RoHS

Simple shape lenses for laser experiment with a little reduced spherical aberration. These are available for imaging experiment using a monochromatic light source or using as focusing a laser beam on the detector.

- There are three types available; BK7 for from visible range to infrared wavelength range, high-strength synthetic fused silica which has high laser damage threshold used in less than 350nm ultraviolet light, and synthetic fused silica lens for excimer laser corresponding to the excimer laser such as Kr*F (248nm) and Ar*F (193nm).
- BK7 lenses are also available with three types of anti-reflection coating, visible wavelength range, in the near-infrared range and in the infrared range.
- From among the wide variations of products that have been subdivided in outside diameter and focal length, possible to select according to required specifications.

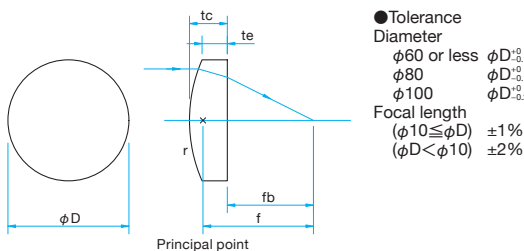


Schematic



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.
 \Rightarrow 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: $n_D = 1.519$ Synthetic fused silica: $n_D = 1.460$
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: $4\text{J}/\text{cm}^2$ Laser pulse with 10ns, repetition frequency 20Hz
Clear aperture	90% of actual aperture: Uncoated 85% of actual aperture: with coating, $\phi 10 \leq D$ 83% of actual aperture: with coating, $D < \phi 10$
Surface Quality (Scratch-Dig)	20-10 $\phi 10 \leq D$ 40-20 $D < \phi 10$

Guide

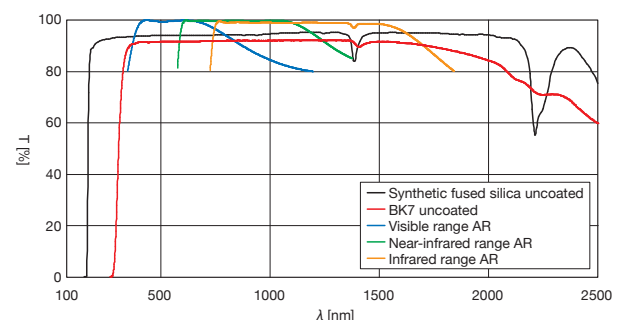
- ▶ It is available other than the products which listed in the catalog such as focal length and outer diameter size.
- ▶ Production is also available with a specific wavelength of anti-reflective coating on the lens of no coated.
- ▶ It is also available the Achromatic lenses (DLB) which are chromatic aberration correction. [Reference](#) B172

Attention

- ▶ The plano convex lens has a 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 for the focal lengths of each wavelength. [WEB Reference](#) [Catalog Code](#) W3041
- ▶ There is a direction to put light on the plano convex lens. Please let the parallel light incident from the convex side always. May increase the spherical aberration in reverse, the focused spot may enlarge, image will appear out of focus.
- ▶ Losses due to reflection of the front and rear surfaces of the lens, the transmittance of no coated lens is about 90%.

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]	Thickness of the edge t_e [mm]	Thickness of the center 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	48.4	25.95	<1
SLB-12.7-60P	M	IR1	IR2	$\phi 12.7$	60	2.0	2.7	58.4	31.14	<1
SLB-12.7-70P	M	IR1	IR2	$\phi 12.7$	70	2.0	2.6	68.5	36.33	<1
SLB-12.7-80P	M	IR1	IR2	$\phi 12.7$	80	2.0	2.5	78.5	41.52	<1
SLB-12.7-100P	M	IR1	IR2	$\phi 12.7$	100	2.0	2.4	98.6	51.90	<1

Compatible Optic Mounts

LHF-10S / MLH-10, -15

- Application Systems
- Optics & Optical Coatings
- Holders
- Bases
- Manual Stages
- Actuators
- Motoeized Stages
- Light Sources
- Index
- Guide
- Mirrors
- Beamsplitters
- Polarizers
- Lenses**
- Multi-Element Optics
- Filters
- Prisms
- Substrates/Windows
- Optical Data
- Maintenance
- Selection Guide
- Plano Convex Lenses
- Plano Concave Lenses
- Biconvex Lenses
- Biconcave Lenses
- Kit
- Reasonable Lens
- Cylindrical
- Others

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

Catalog Code W3042

BK7 $\phi 15 - \phi 25.4$

Application Systems	Uncoated			How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center 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		
Holders	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		
Bases	SLB-15-100P	M	IR1	IR2	$\phi 15$	100	2.0	2.5	98.3	51.90	<1		
	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		
Manual Stages	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		
Actuators	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		
Motoeized Stages	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		
	SLB-20-100P	M	IR1	IR2	$\phi 20$	100	2.0	3.0	98.0	51.90	<1		
Light Sources	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		
Index	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		
Guide	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		
Mirrors	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		
Beamsplitters	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		
Polarizers	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		
Lenses	SLB-25-250P	M	IR1	IR2	$\phi 25$	250	2.0	2.6	248.3	129.75	<1		
	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		
Multi-Element Optics	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		
Filters	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		
Prisms	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		
	SLB-25.4-150P	M	IR1	IR2	$\phi 25.4$	150	2.0	3.0	148.0	77.85	<1		
Substrates/Windows	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		
Optical Data	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		
Maintenance	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 $\phi 30 - \phi 40$										
Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center 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-30-35P	M	IR1	IR2	$\phi 30$	35	2.0	9.9	28.5	18.17	<1
SLB-30-40P	M	IR1	IR2	$\phi 30$	40	2.0	8.4	34.5	20.76	<1
SLB-30-50P	M	IR1	IR2	$\phi 30$	50	2.0	6.8	45.5	25.95	<1
SLB-30-60P	M	IR1	IR2	$\phi 30$	60	2.0	5.9	56.1	31.14	<1
SLB-30-70P	M	IR1	IR2	$\phi 30$	70	2.0	5.2	66.5	36.33	<1
SLB-30-80P	M	IR1	IR2	$\phi 30$	80	2.0	4.8	76.8	41.52	<1
SLB-30-90P	M	IR1	IR2	$\phi 30$	90	2.0	4.5	87.1	46.71	<1
SLB-30-100P	M	IR1	IR2	$\phi 30$	100	2.0	4.2	97.2	51.90	<1
SLB-30-120P	M	IR1	IR2	$\phi 30$	120	2.0	3.8	117.5	62.28	<1
SLB-30-150P	M	IR1	IR2	$\phi 30$	150	2.0	3.5	147.7	77.85	<1
SLB-30-170P	M	IR1	IR2	$\phi 30$	170	2.0	3.3	167.8	88.23	<1
SLB-30-200P	M	IR1	IR2	$\phi 30$	200	2.0	3.1	198.0	103.80	<1
SLB-30-220P	M	IR1	IR2	$\phi 30$	220	2.0	3.0	218.0	114.18	<1
SLB-30-250P	M	IR1	IR2	$\phi 30$	250	2.0	2.9	248.1	129.75	<1
SLB-30-300P	M	IR1	IR2	$\phi 30$	300	2.0	2.7	298.2	155.70	<1
SLB-30-350P	M	IR1	IR2	$\phi 30$	350	2.0	2.6	348.3	181.65	<3
SLB-30-400P	M	IR1	IR2	$\phi 30$	400	2.0	2.5	398.2	207.60	<3
SLB-30-450P	M	IR1	IR2	$\phi 30$	450	2.0	2.5	448.4	233.55	<3
SLB-30-500P	M	IR1	IR2	$\phi 30$	500	2.0	2.4	498.4	259.50	<3
SLB-30-600P	M	IR1	IR2	$\phi 30$	600	2.0	2.4	598.4	311.40	<3
SLB-30-700P	M	IR1	IR2	$\phi 30$	700	2.0	2.3	698.5	363.30	<3
SLB-30-800P	M	IR1	IR2	$\phi 30$	800	2.0	2.3	798.5	415.20	<3
SLB-30-900P	M	IR1	IR2	$\phi 30$	900	2.0	2.2	898.5	467.10	<3
SLB-30-1000P	M	IR1	IR2	$\phi 30$	1000	2.0	2.2	998.5	519.00	<3
SLB-30-1200P	M	IR1	IR2	$\phi 30$	1200	2.0	2.2	1198.6	622.80	<3
SLB-30-1500P	M	IR1	IR2	$\phi 30$	1500	2.0	2.1	1498.6	778.50	<3
SLB-30-2000P	M	IR1	IR2	$\phi 30$	2000	2.0	2.1	1998.6	1038.00	<3
SLB-30-2500P	M	IR1	IR2	$\phi 30$	2500	2.0	2.1	2498.6	1297.50	<3
SLB-30-3000P	M	IR1	IR2	$\phi 30$	3000	2.0	2.1	2998.6	1557	<3
SLB-30-4000P	M	IR1	IR2	$\phi 30$	4000	2.0	2.1	3998.6	2076	<3
SLB-30-5000P	M	IR1	IR2	$\phi 30$	5000	2.0	2.1	4998.6	2595	<3
SLB-40-50P	M	IR1	IR2	$\phi 40$	50	2.0	11.4	42.5	25.95	<1
SLB-40-60P	M	IR1	IR2	$\phi 40$	60	2.0	9.3	53.9	31.14	<1
SLB-40-70P	M	IR1	IR2	$\phi 40$	70	2.0	8.0	64.7	36.33	<1
SLB-40-80P	M	IR1	IR2	$\phi 40$	80	2.0	7.1	75.3	41.52	<1
SLB-40-90P	M	IR1	IR2	$\phi 40$	90	2.0	6.5	85.7	46.71	<1
SLB-40-100P	M	IR1	IR2	$\phi 40$	100	2.0	6.0	96.0	51.90	<1
SLB-40-120P	M	IR1	IR2	$\phi 40$	120	2.0	5.3	116.5	62.28	<1
SLB-40-150P	M	IR1	IR2	$\phi 40$	150	2.0	4.6	147.0	77.85	<1
SLB-40-170P	M	IR1	IR2	$\phi 40$	170	2.0	4.3	167.2	88.23	<1
SLB-40-200P	M	IR1	IR2	$\phi 40$	200	2.0	3.9	197.4	103.80	<1
SLB-40-250P	M	IR1	IR2	$\phi 40$	250	2.0	3.6	247.7	129.75	<1
SLB-40-300P	M	IR1	IR2	$\phi 40$	300	2.0	3.3	297.7	155.70	<1
SLB-40-350P	M	IR1	IR2	$\phi 40$	350	2.0	3.1	348.0	181.65	<1
SLB-40-400P	M	IR1	IR2	$\phi 40$	400	2.0	3.0	398.0	207.60	<1
SLB-40-450P	M	IR1	IR2	$\phi 40$	450	2.0	2.9	448.1	233.55	<3
SLB-40-500P	M	IR1	IR2	$\phi 40$	500	2.0	2.8	498.2	259.50	<3
SLB-40-1000P	M	IR1	IR2	$\phi 40$	1000	2.0	2.4	998.4	519.00	<3

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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]	Thickness of the edge t_e [mm]	Thickness of the center 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
Holders	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
	SLB-50-220P	M	IR1	IR2	$\phi 50$	220	3.0	5.8	216.2	114.18	<1
Manual Stages	SLB-50-250P	M	IR1	IR2	$\phi 50$	250	3.0	5.4	246.4	129.75	<1
	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
Actuators	SLB-50-400P	M	IR1	IR2	$\phi 50$	400	3.0	4.5	397.0	207.60	<1
	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
Motorized Stages	SLB-50-600P	M	IR1	IR2	$\phi 50$	600	3.0	4.0	597.4	311.40	<3
	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
Light Sources	SLB-50-900P	M	IR1	IR2	$\phi 50$	900	3.0	3.7	897.6	467.10	<3
	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
Index	SLB-50-1500P	M	IR1	IR2	$\phi 50$	1500	3.0	3.4	1497.8	778.50	<3
	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
Guide	SLB-50-3000P	M	IR1	IR2	$\phi 50$	3000	3.0	3.2	2997.9	1557.00	<3
	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
Mirrors	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
	SLB-50.8-90P	M	IR1	IR2	$\phi 50.8$	90	3.0	10.3	83.2	46.71	<1
Beamsplitters	SLB-50.8-100P	M	IR1	IR2	$\phi 50.8$	100	3.0	9.6	93.7	51.90	<1
	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
Polarizers	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
	SLB-50.8-250P	M	IR1	IR2	$\phi 50.8$	250	2.9	5.4	246.4	129.75	<1
Lenses	SLB-50.8-300P	M	IR1	IR2	$\phi 50.8$	300	2.9	5.0	296.7	155.70	<1
	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
Multi-Element Optics	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
	SLB-60-70P	M	IR1	IR2	$\phi 60$	70	3.0	18.8	57.6	36.33	<1
Filters	SLB-60-80P	M	IR1	IR2	$\phi 60$	80	3.0	15.8	69.6	41.52	<1
	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
Prisms	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
	SLB-60-170P	M	IR1	IR2	$\phi 60$	170	3.0	8.3	164.6	88.23	<1
Substrates/Windows	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
	SLB-60-300P	M	IR1	IR2	$\phi 60$	300	3.0	5.9	296.1	155.70	<1
Optical Data	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
	SLB-60-600P	M	IR1	IR2	$\phi 60$	600	3.0	4.4	597.1	311.40	<1
Maintenance	SLB-60-1000P	M	IR1	IR2	$\phi 60$	1000	3.0	3.9	997.5	519.00	<3
	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
Selection Guide	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
	SLB-60-120P	M	IR1	IR2	$\phi 60$	120	3.0	10.7	113.0	62.28	<1
Plano Convex Lenses	SLB-60-150P	M	IR1	IR2	$\phi 60$	150	3.0	9.0	144.1	77.85	<1
	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
	SLB-60-400P	M	IR1	IR2	$\phi 60$	400	3.0	5.2	396.6	207.60	<1
Biconvex Lenses	SLB-60-500P	M	IR1	IR2	$\phi 60$	500	3.0	4.7	496.9	259.50	<1
	SLB-60-600P	M	IR1	IR2	$\phi 60$	600	3.0	4.4	597.1	311.40	<1
	SLB-60-1000P	M	IR1	IR2	$\phi 60$	1000	3.0	3.9	997.5	519.00	<3
Biconcave Lenses	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
	SLB-60-90P	M	IR1	IR2	$\phi 60$	90	3.0	13.9	80.8	46.71	<1
Kit	SLB-60-100P	M	IR1	IR2	$\phi 60$	100	3.0	12.5	91.7	51.90	<1
	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
Reasonable Lens	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
	SLB-60-250P	M	IR1	IR2	$\phi 60$	250	3	6.5	245.7	129.75	<1
Cylindrical	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
	SLB-60-500P	M	IR1	IR2	$\phi 60$	500	3.0	4.7	496.9	259.50	<1
Others	SLB-60-600P	M	IR1	IR2	$\phi 60$	600	3.0	4.4	597.1	311.40	<1
	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, -60S



BK7 $\phi 80 - \phi 100$										
Uncoated	How to specify the anti-reflection coating			Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center 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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Compatible Optic Mounts

LHF-80, -100

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

Application Systems	Part Number	Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']
Optics & Optical Coatings	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
HOLDERS	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
BASES	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
MANUAL STAGES	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
ACTUATORS	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
MOTOEIZED STAGES	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
LIGHT SOURCES	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
INDEX	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
GUIDE	SLSQ-10-15P	$\phi 10$	15	2.0	4.1	12.2	6.90	<1
MIRRORS	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
BEAMSPLITTERS	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
POLARIZERS	SLSQ-10-50P	$\phi 10$	50	2.0	2.6	48.3	23.00	<1
LENSES	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
MULTI-ELEMENT OPTICS	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
FILTERS	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
PRISMS	SLSQ-12.7-25P	$\phi 12.7$	25	2.0	3.9	22.3	11.50	<1
SUBSTRATES/WINDOWS	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
OPTICAL DATA	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
MAINTENANCE	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
SELECTION GUIDE	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
PLANO CONVEX LENSES	SLSQ-15-80P	$\phi 15$	80	2.0	2.8	78.1	36.80	<1
PLANO CONCAVE LENSES	SLSQ-15-90P	$\phi 15$	90	2.0	2.7	88.2	41.40	<1
BICONVEX LENSES	SLSQ-15-100P	$\phi 15$	100	2.0	2.6	98.3	46.00	<1
BICONCAVE LENSES	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
KIT	SLSQ-20-50P	$\phi 20$	50	2.0	4.3	47.1	23.00	<1
REASONABLE LENS	SLSQ-20-60P	$\phi 20$	60	2.0	3.9	57.3	27.60	<1
CYLINDRICAL	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
OTHERS	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, -15S, -20S / MLH-10, -15 / LHF-12.7



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

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center 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

Compatible Optic Mounts

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

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Synthetic fused silica $\phi 40 - \phi 50.8$

Application Systems	Part Number	Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center t_c [mm]	Back focal length f_b [mm]	Radius of curvature r [mm]	Centration [']	
Optics & Optical Coatings	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	
Holders	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	
Bases	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	
Manual Stages	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	
	Actuators	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	
Motoeized Stages	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	
Light Sources	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	
Index	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	
Guide	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	
Mirrors	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	
	Beamsplitters	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	
Polarizers	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	
Multi-Element Optics	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	
	Filters	SLSQ-50.8-1000P	$\phi 50.8$	1000	3.0	3.7	997.5	460.00	<3
		SLSQ-50.8-1200P	$\phi 50.8$	1200	3.0	3.6	1197.6	552.00	<3
		SLSQ-50.8-1500P	$\phi 50.8$	1500	3.0	3.5	1497.6	690.00	<3
SLSQ-50.8-2000P		$\phi 50.8$	2000	3.0	3.3	1997.7	920.00	<3	
SLSQ-50.8-2500P		$\phi 50.8$	2500	3.0	3.3	2497.8	1150.00	<3	
Prisms	SLSQ-50.8-3000P	$\phi 50.8$	3000	3.0	3.2	2997.8	1380.00	<3	
	SLSQ-50.8-4000P	$\phi 50.8$	4000	3.0	3.2	3997.8	1840.00	<3	
	SLSQ-50.8-5000P	$\phi 50.8$	5000	3.0	3.1	4997.9	2300.00	<3	
	Substrates/Windows	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	
Optical Data	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	
Maintenance	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	
	Selection Guide	SLSQ-50.8-1200P	$\phi 50.8$	1200	3.0	3.6	1197.6	552.00	<3
		SLSQ-50.8-1500P	$\phi 50.8$	1500	3.0	3.5	1497.6	690.00	<3
SLSQ-50.8-2000P		$\phi 50.8$	2000	3.0	3.3	1997.7	920.00	<3	
SLSQ-50.8-2500P		$\phi 50.8$	2500	3.0	3.3	2497.8	1150.00	<3	
SLSQ-50.8-3000P		$\phi 50.8$	3000	3.0	3.2	2997.8	1380.00	<3	
Plano Convex Lenses	SLSQ-50.8-4000P	$\phi 50.8$	4000	3.0	3.2	3997.8	1840.00	<3	
	SLSQ-50.8-5000P	$\phi 50.8$	5000	3.0	3.1	4997.9	2300.00	<3	
	Plano Concave Lenses	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	
Biconvex Lenses	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	
Biconcave Lenses	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	
	Kit	SLSQ-50.8-1200P	$\phi 50.8$	1200	3.0	3.6	1197.6	552.00	<3
		SLSQ-50.8-1500P	$\phi 50.8$	1500	3.0	3.5	1497.6	690.00	<3
SLSQ-50.8-2000P		$\phi 50.8$	2000	3.0	3.3	1997.7	920.00	<3	
SLSQ-50.8-2500P		$\phi 50.8$	2500	3.0	3.3	2497.8	1150.00	<3	
SLSQ-50.8-3000P		$\phi 50.8$	3000	3.0	3.2	2997.8	1380.00	<3	
Reasonable Lens	SLSQ-50.8-4000P	$\phi 50.8$	4000	3.0	3.2	3997.8	1840.00	<3	
	SLSQ-50.8-5000P	$\phi 50.8$	5000	3.0	3.1	4997.9	2300.00	<3	
	Cylindrical	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	
Others	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	

Compatible Optic Mounts

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



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

Part Number	Diameter ϕD [mm]	Focal length f [mm]	Thickness of the edge t_e [mm]	Thickness of the center 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]	Thickness of the edge t_e [mm]	Thickness of the center 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-60S, -100 / LHF-30S, -50S

- Application Systems
- Optics & Optical Coatings**
- Holders
- Bases
- Manual Stages
- Actuators
- MotORIZED Stages
- Light Sources
- Index
- Guide
- Mirrors
- Beamsplitters
- Polarizers
- Lenses**
- Multi-Element Optics
- Filters
- Prisms
- Substrates/Windows
- Optical Data
- Maintenance
- Selection Guide
- Plano Convex Lenses**
- Plano Concave Lenses
- Biconvex Lenses
- Biconcave Lenses
- Kit
- Reasonable Lens
- Cylindrical
- Others