Optical Spherical Lenses

Product Catalog

Beijing Hengdingguang Technology Co., Ltd.

PhotonEdge

We offer a wide range of optical lenses in various specifications and premium optical materials, strictly processed and inspected according to technical specifications.

Coating services available upon request.

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BK7 Plano-Convex Lenses

Plano-convex lenses have a positive focal length and are widely used for focusing and collimating light beams.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXB2.5-3.9	2.50	3.90	1.95	1.51	2.61
LOPCXB2.5-4.8	2.50	4.80	2.26	1.92	3.31
LOPCXB2.8-5.0	2.80	5.00	1.62	1.20	3.47
LOPCXB3.0-8.0	3.00	8.00	2.00	1.71	6.68
LOPCXB3.0-9.0	3.00	9.00	1.50	1.25	8.01
LOPCXB4.0-6.0	4.00	6.00	1.50	0.77	5.01
LOPCXB4.0-8.0	4.00	8.00	2.00	1.00	6.68
LOPCXB5.0-10	5.00	10.00	2.00	1.00	8.68
LOPCXB6.0-8.0	6.00	8.00	2.30	1.00	6.50
LOPCXB6.0-10.0	6.00	10.00	2.46	1.50	8.37
LOPCXB6.0-12	6.00	12.00	2.28	1.50	10.50
LOPCXB6.0-15	6.00	15.00	2.11	1.50	13.61
LOPCXB6.0-25	6.00	25.00	3.00	2.65	22.98
LOPCXB7.0-8.0	7.00	8.00	2.90	0.97	6.09
LOPCXB8.0-8.0	8.00	8.00	4.60	1.50	5.00
LOPCXB8.0-10	8.00	10.00	3.30	1.40	7.81
LOPCXB8.0-15	8.00	15.00	3.00	1.89	13.00
LOPCXB8.0-24	8.00	24.00	2.50	1.50	22.00
LOPCXB9.0-12	9.00	12.00	3.44	1.50	9.73
LOPCXB9.0-20	9.00	20.00	2.53	1.50	18.33
LOPCXB10-10	10.00	10.00	4.80	1.10	6.80
LOPCXB10-15	10.00	15.00	3.80	2.00	12.50

BK7 Plano-Convex Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXB2.5-3.9	2.50	3.90	1.95	1.51	2.61
LOPCXB2.5-4.8	2.50	4.80	2.26	1.92	3.31
LOPCXB2.8-5.0	2.80	5.00	1.62	1.20	3.47
LOPCXB3.0-8.0	3.00	8.00	2.00	1.71	6.68
LOPCXB3.0-9.0	3.00	9.00	1.50	1.25	8.01
LOPCXB4.0-6.0	4.00	6.00	1.50	0.77	5.01
LOPCXB4.0-8.0	4.00	8.00	2.00	1.00	6.68
LOPCXB5.0-10	5.00	10.00	2.00	1.00	8.68
LOPCXB6.0-8.0	6.00	8.00	2.30	1.00	6.50
LOPCXB6.0-10.0	6.00	10.00	2.46	1.50	8.37
LOPCXB6.0-12	6.00	12.00	2.28	1.50	10.50
LOPCXB6.0-15	6.00	15.00	2.11	1.50	13.61
LOPCXB6.0-25	6.00	25.00	3.00	2.65	22.98
LOPCXB7.0-8.0	7.00	8.00	2.90	0.97	6.09
LOPCXB8.0-8.0	8.00	8.00	4.60	1.50	5.00
LOPCXB8.0-10	8.00	10.00	3.30	1.40	7.81
LOPCXB8.0-15	8.00	15.00	3.00	1.89	13.00
LOPCXB8.0-24	8.00	24.00	2.50	1.50	22.00
LOPCXB9.0-12	9.00	12.00	3.44	1.50	9.73
LOPCXB9.0-20	9.00	20.00	2.53	1.50	18.33
LOPCXB10-10	10.00	10.00	4.80	1.10	6.80
LOPCXB10-15	10.00	15.00	3.80	2.00	12.50

BK7 Plano-Convex Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXB2.5-3.9	2.50	3.90	1.95	1.51	2.61
LOPCXB2.5-4.8	2.50	4.80	2.26	1.92	3.31
LOPCXB2.8-5.0	2.80	5.00	1.62	1.20	3.47
LOPCXB3.0-8.0	3.00	8.00	2.00	1.71	6.68
LOPCXB3.0-9.0	3.00	9.00	1.50	1.25	8.01
LOPCXB4.0-6.0	4.00	6.00	1.50	0.77	5.01
LOPCXB4.0-8.0	4.00	8.00	2.00	1.00	6.68
LOPCXB5.0-10	5.00	10.00	2.00	1.00	8.68
LOPCXB6.0-8.0	6.00	8.00	2.30	1.00	6.50
LOPCXB6.0-10.0	6.00	10.00	2.46	1.50	8.37
LOPCXB6.0-12	6.00	12.00	2.28	1.50	10.50
LOPCXB6.0-15	6.00	15.00	2.11	1.50	13.61
LOPCXB6.0-25	6.00	25.00	3.00	2.65	22.98
LOPCXB7.0-8.0	7.00	8.00	2.90	0.97	6.09
LOPCXB8.0-8.0	8.00	8.00	4.60	1.50	5.00
LOPCXB8.0-10	8.00	10.00	3.30	1.40	7.81
LOPCXB8.0-15	8.00	15.00	3.00	1.89	13.00
LOPCXB8.0-24	8.00	24.00	2.50	1.50	22.00
LOPCXB9.0-12	9.00	12.00	3.44	1.50	9.73
LOPCXB9.0-20	9.00	20.00	2.53	1.50	18.33
LOPCXB10-10	10.00	10.00	4.80	1.10	6.80
LOPCXB10-15	10.00	15.00	3.80	2.00	12.50

BK7 Plano-Convex Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXB2.5-3.9	2.50	3.90	1.95	1.51	2.61
LOPCXB2.5-4.8	2.50	4.80	2.26	1.92	3.31
LOPCXB2.8-5.0	2.80	5.00	1.62	1.20	3.47
LOPCXB3.0-8.0	3.00	8.00	2.00	1.71	6.68

BK7 Bi-Convex Lenses

Bi-convex lenses have a positive focal length and are primarily used for collimating and focusing light.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCXB6-6	6.00	6.00	2.50	1.00	5.60
LOBCXB6-10	6.00	10.00	2.40	1.50	9.17
LOBCXB6-12	6.00	12.00	2.76	1.50	11.73
LOBCXB6-15	6.00	15.00	2.10	1.50	14.29
LOBCXB6-30	6.00	30.00	1.79	1.50	29.40
LOBCXB9-12	9.00	12.00	3.60	1.80	10.75
LOBCXB9-20	9.00	20.00	2.82	1.80	19.05
LOBCXB10-10	10.00	10.00	4.90	2.00	8.20
LOBCXB10-15	10.00	15.00	4.10	2.00	12.20
LOBCXB10-25	10.00	25.00	4.90	2.00	8.20
LOBCXB12.7-12.7	12.70	12.70	6.68	4.84	10.26
LOBCXB12.7-15	12.70	15.00	4.70	1.80	13.36
LOBCXB12.7-19	12.70	19.00	5.22	4.11	17.19
LOBCXB12.7-20	12.70	20.00	3.88	1.80	18.68
LOBCXB12.7-25	12.70	25.00	3.43	1.80	23.84
LOBCXB12.7-30	12.70	30.00	3.14	1.80	28.95
LOBCXB12.7-35	12.70	35.00	3.00	2.43	33.99
LOBCXB12.7-40	12.70	40.00	2.80	1.80	39.07
LOBCXB12.7-50	12.70	50.00	2.59	1.80	49.14
LOBCXB12.7-100	12.70	100.00	3.00	2.80	98.96
LOBCXB15-25	15.00	25.00	4.80	2.00	21.70
LOBCXB15-30	15.00	30.00	5.50	2.00	26.40

BK7 Bi-Convex Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCXB6-6	6.00	6.00	2.50	1.00	5.60
LOBCXB6-10	6.00	10.00	2.40	1.50	9.17
LOBCXB6-12	6.00	12.00	2.76	1.50	11.73
LOBCXB6-15	6.00	15.00	2.10	1.50	14.29
LOBCXB6-30	6.00	30.00	1.79	1.50	29.40
LOBCXB9-12	9.00	12.00	3.60	1.80	10.75
LOBCXB9-20	9.00	20.00	2.82	1.80	19.05
LOBCXB10-10	10.00	10.00	4.90	2.00	8.20
LOBCXB10-15	10.00	15.00	4.10	2.00	12.20
LOBCXB10-25	10.00	25.00	4.90	2.00	8.20
LOBCXB12.7-12.7	12.70	12.70	6.68	4.84	10.26
LOBCXB12.7-15	12.70	15.00	4.70	1.80	13.36
LOBCXB12.7-19	12.70	19.00	5.22	4.11	17.19
LOBCXB12.7-20	12.70	20.00	3.88	1.80	18.68
LOBCXB12.7-25	12.70	25.00	3.43	1.80	23.84
LOBCXB12.7-30	12.70	30.00	3.14	1.80	28.95
LOBCXB12.7-35	12.70	35.00	3.00	2.43	33.99
LOBCXB12.7-40	12.70	40.00	2.80	1.80	39.07
LOBCXB12.7-50	12.70	50.00	2.59	1.80	49.14
LOBCXB12.7-100	12.70	100.00	3.00	2.80	98.96
LOBCXB15-25	15.00	25.00	4.80	2.00	21.70
LOBCXB15-30	15.00	30.00	5.50	2.00	26.40
LOBCXB15-50	15.00	50.00	3.30	2.00	47.80
LOBCXB20-45	20.00	45.00	8.00	2.00	41.70
LOBCXB25.4-30	25.40	30.00	7.74	2.00	27.33
LOBCXB25.4-35	25.40	35.00	6.79	2.00	32.68
LOBCXB25.4-40	25.40	40.00	6.12	2.00	37.93
LOBCXB25.4-50	25.40	50.00	5.24	2.00	48.24
LOBCXB25.4-60	25.40	60.00	4.67	2.00	58.44

BK7 Plano-Concave Lenses

Plano-concave lenses have a negative focal length. When parallel light passes through plano-concave lenses, it diverges. Our lenses feature excellent uniformity, no patterns, inclusions, or bubbles.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCCB3-5	3.00	-5.00	1.00	1.21	-5.55
LOPCCB6-6	6.00	-6.00	2.00	5.50	-7.37
LOPCCB6-8	6.00	-8.00	2.00	3.30	-9.30
LOPCCB6-10	6.00	-10.00	2.00	2.90	-11.30
LOPCCB6-12	6.00	-12.00	2.00	4.20	-13.30
LOPCCB6-24	6.00	-24.00	2.00	2.37	-25.32
LOPCCB9-27	9.00	-27.00	2.00	2.75	-28.30
LOPCCB10-15	10.00	-15.00	2.00	4.10	-16.40
LOPCCB10-20	10.00	-20.00	2.00	3.50	-21.40
LOPCCB10-25	10.00	-25.00	2.00	3.10	-26.40
LOPCCB10-30	10.00	-30.00	2.00	2.90	-31.40
LOPCCB12.7-15	12.70	-15.00	2.00	5.90	-16.40
LOPCCB12.7-19	12.70	-19.00	1.70	4.03	-20.12
LOPCCB12.7-25.4	12.70	-25.40	3.00	4.90	-27.20
LOPCCB12.7-30	12.70	-30.00	3.00	4.37	-31.98
LOPCCB12.7-50	12.70	-50.00	2.50	3.29	-51.65
LOPCCB12.7-75	12.70	-75.00	2.50	3.02	-76.65
LOPCCB12.7-100	12.70	-100.00	2.50	2.89	-101.65
LOPCCB15-20	15.00	-20.00	2.00	3.80	-21.30
LOPCCB15-25	15.00	-25.00	2.00	3.70	-26.30
LOPCCB15-30	15.00	-30.00	2.00	3.70	-31.30

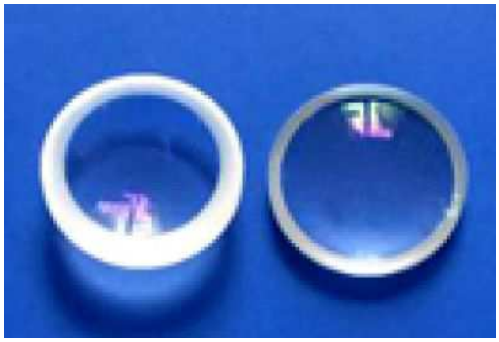
BK7 Plano-Concave Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCCB3-5	3.00	-5.00	1.00	1.21	-5.55
LOPCCB6-6	6.00	-6.00	2.00	5.50	-7.37
LOPCCB6-8	6.00	-8.00	2.00	3.30	-9.30
LOPCCB6-10	6.00	-10.00	2.00	2.90	-11.30
LOPCCB6-12	6.00	-12.00	2.00	4.20	-13.30
LOPCCB6-24	6.00	-24.00	2.00	2.37	-25.32
LOPCCB9-27	9.00	-27.00	2.00	2.75	-28.30
LOPCCB10-15	10.00	-15.00	2.00	4.10	-16.40
LOPCCB10-20	10.00	-20.00	2.00	3.50	-21.40
LOPCCB10-25	10.00	-25.00	2.00	3.10	-26.40
LOPCCB10-30	10.00	-30.00	2.00	2.90	-31.40
LOPCCB12.7-15	12.70	-15.00	2.00	5.90	-16.40
LOPCCB12.7-19	12.70	-19.00	1.70	4.03	-20.12
LOPCCB12.7-25.4	12.70	-25.40	3.00	4.90	-27.20
LOPCCB12.7-30	12.70	-30.00	3.00	4.37	-31.98
LOPCCB12.7-50	12.70	-50.00	2.50	3.29	-51.65
LOPCCB12.7-75	12.70	-75.00	2.50	3.02	-76.65
LOPCCB12.7-100	12.70	-100.00	2.50	2.89	-101.65
LOPCCB15-20	15.00	-20.00	2.00	3.80	-21.30
LOPCCB15-25	15.00	-25.00	2.00	3.70	-26.30
LOPCCB15-30	15.00	-30.00	2.00	3.70	-31.30
LOPCCB15-35	15.00	-35.00	2.00	3.80	-36.30
LOPCCB20-30	20.00	-30.00	2.00	6.30	-31.40
LOPCCB20-50	20.00	-50.00	2.00	4.30	-51.40
LOPCCB20-80	20.00	-80.00	2.00	3.40	-81.40
LOPCCB25.4-25	25.40	-25.00	2.50	13.05	-26.65

BK7 Bi-Concave Lenses

Bi-concave lenses have a negative focal length and are primarily used for diverging parallel light and forming virtual images. We can provide various specifications of bi-concave lenses. Please contact us for inquiries.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm



Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCCB6.35-12.5	6.35	-12.50	2.50	3.27	-13.30
LOBCCB12.7-15	12.70	-15.00	2.30	4.95	-15.74
LOBCCB12.7-20	12.70	-20.00	2.00	3.97	-20.65
LOBCCB12.7-25	12.70	-25.00	2.50	4.06	-25.81
LOBCCB12.7-30	12.70	-30.00	2.70	3.99	-30.88
LOBCCB12.7-40	12.70	-40.00	2.00	2.98	-40.56
LOBCCB12.7-50	12.70	-50.00	3.50	4.30	-52.10
LOBCCB12.7-75	12.70	-75.00	2.50	3.02	-75.82
LOBCCB25.4-50	25.40	-50.00	3.00	6.10	-50.98
LOBCCB25.4-75	25.40	-75.00	3.50	5.60	-76.15
LOBCCB25.4-100	25.40	-100.00	4.00	5.60	-101.31
LOBCCB25.4-150	25.40	-150.00	2.50	3.54	-150.82
LOBCCB25.4-200	25.40	-200.00	2.50	3.28	-200.83
LOBCCB30-50	30.00	-50.00	2.00	5.50	-50.70
LOBCCB30-60	30.00	-60.00	2.00	4.50	-60.70
LOBCCB30-70	30.00	-70.00	2.00	4.70	-70.85
LOBCCB30-80	30.00	-80.00	2.00	4.20	-80.73
LOBCCB50.8-75	50.80	-75.00	2.50	11.01	-75.82
LOBCCB50.8-100	50.80	-100.00	2.50	8.81	-100.82
LOBCCB50.8-150	50.80	-150.00	2.50	6.68	-150.82
LOBCCB50.8-200	50.80	-200.00	2.50	5.63	-200.83

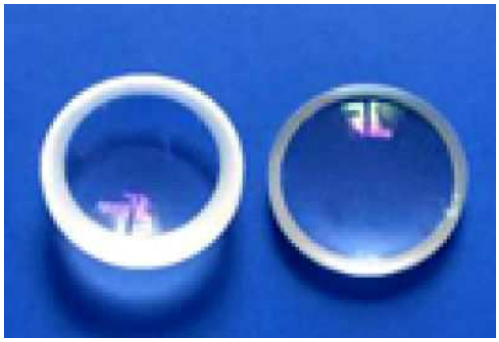
BK7 Bi-Concave Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCCB6.35-12.5	6.35	-12.50	2.50	3.27	-13.30
LOBCCB12.7-15	12.70	-15.00	2.30	4.95	-15.74

BK7 Positive Meniscus Lenses

Positive meniscus lenses are convex-concave lenses that are thicker in the center than at the edges. They are typically used to reduce spherical aberration. When combined with other lenses, they can reduce the focal length of the system and increase the numerical aperture.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm



Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPM25.4-100	25.40	100.00	3.60	2.00	96.19
LOPM25.4-125	25.40	125.00	3.30	2.00	121.55
LOPM25.4-150	25.40	150.00	3.10	2.00	146.78
LOPM25.4-200	25.40	200.00	2.80	2.00	197.12
LOPM25.4-250	25.40	250.00	2.60	2.00	247.35
LOPM25.4-300	25.40	300.00	2.50	2.00	297.47
LOPM25.4-400	25.40	400.00	2.40	2.00	397.61
LOPM25.4-500	25.40	500.00	2.30	2.00	497.74
LOPM25.4-1000	25.40	1000.00	2.20	2.00	997.99
LOPM50.8-100	50.80	100.00	9.70	1.10	89.13
LOPM50.8-125	50.80	125.00	8.20	2.40	116.11
LOPM50.8-150	50.80	150.00	7.30	2.70	142.23
LOPM50.8-200	50.80	200.00	6.20	2.90	193.53
LOPM50.8-250	50.80	250.00	5.50	3.00	244.34
LOPM50.8-300	50.80	300.00	5.10	3.00	294.80
LOPM50.8-400	50.80	400.00	5.00	3.40	394.99
LOPM50.8-500	50.80	500.00	5.00	3.70	495.07
LOPM50.8-1000	50.80	1000.00	5.00	4.40	995.42

BK7 Negative Meniscus Lenses

Negative meniscus lenses are convex-concave lenses that are thinner in the center than at the edges. They can reduce spherical aberration, and when combined with other lenses, they can decrease the numerical aperture of the system.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LONM25.4-100	25.40	-100.00	3.00	4.70	-98.79
LONM25.4-125	25.40	-125.00	3.00	4.30	-123.80
LONM25.4-150	25.40	-150.00	3.00	4.10	-148.06
LONM25.4-200	25.40	-200.00	3.00	3.80	-197.82
LONM25.4-250	25.40	-250.00	3.00	3.70	-248.62
LONM25.4-300	25.40	-300.00	3.00	3.50	-299.04
LONM25.4-400	25.40	-400.00	3.00	3.40	-397.33
LONM25.4-500	25.40	-500.00	3.00	3.30	-496.94
LONM25.4-1000	25.40	-1000.00	3.00	3.20	-995.30

UV Fused Silica Plano-Convex

UV fused silica lenses have high transmittance in the 195nm-2100nm wavelength range. For applications in the UV band, UV fused silica lenses are an excellent choice.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXF8-10	8.00	10.00	3.90	1.50	7.30
LOPCXF10-15	10.00	15.00	4.10	2.00	12.20
LOPCXF10-25	10.00	25.00	3.10	2.00	22.80
LOPCXF12-25	12.70	25.90	4.88	3.00	22.54
LOPCXF15-20	15.00	20.00	4.20	2.00	17.20
LOPCXF15-25	15.00	25.00	4.80	2.00	21.70
LOPCXF15-50	15.00	50.00	3.30	2.00	47.80
LOPCXF20-50	20.00	50.00	8.34	5.99	44.18
LOPCXF20-75	20.00	75.00	7.52	6.00	69.81
LOPCXF25-51	25.00	51.10	5.70	2.00	47.19
LOPCXF25-80	25.00	80.00	4.00	1.77	77.22
LOPCXF25.4-30	25.40	30.00	10.00	1.60	23.20
LOPCXF25.4-50	25.40	50.00	5.70	1.90	46.10
LOPCXF25.4-100	25.40	100.00	3.70	1.90	97.50
LOPCXF25.4-150	25.40	150.00	3.10	1.90	147.90
LOPCXF25.4-200	25.40	200.00	2.90	1.90	198.00
LOPCXF25.4-175	25.40	175.00	3.00	2.00	172.94
LOPCXF25.4-250	25.40	250.00	2.70	2.00	248.15
LOPCXF25.4-300	25.40	300.00	2.60	2.00	298.22
LOPCXF25.4-500	25.40	500.00	2.40	2.00	498.35
LOPCXF25.4-750	25.40	750.00	2.20	2.01	748.49
LOPCXF25.4-1000	25.40	1000.00	2.30	2.02	998.49
LOPCXF50.8-60	50.80	60.00	19.80	3.00	46.42

UV Fused Silica Plano-Convex

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCXF8-10	8.00	10.00	3.90	1.50	7.30
LOPCXF10-15	10.00	15.00	4.10	2.00	12.20
LOPCXF10-25	10.00	25.00	3.10	2.00	22.80
LOPCXF12-25	12.70	25.90	4.88	3.00	22.54
LOPCXF15-20	15.00	20.00	4.20	2.00	17.20

UV Fused Silica Bi-Convex

UV fused silica has high transmittance in the 195-2100nm wavelength range. Compared to K9 material, this silica material offers higher transmittance in the UV band.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCXF5-10	5.00	10.00	2.20	1.50	9.21
LOBCXF6-6	6.00	6.00	2.80	1.00	5.50
LOBCXF6-10	6.00	10.00	2.60	1.50	9.05
LOBCXF6-8	6.00	8.00	2.30	1.00	7.60
LOBCXF6-15	6.00	15.00	2.20	1.50	14.23
LOBCXF6-20	6.00	20.00	2.00	1.50	19.30
LOBCXF6-30	6.00	30.00	1.80	1.50	29.38
LOBCXF10-10	10.00	10.00	5.00	2.00	9.10
LOBCXF10-15	10.00	15.00	3.90	2.00	14.30
LOBCXF10-20	10.00	20.00	3.40	2.00	19.40
LOBCXF12.7-20	12.70	20.00	4.20	1.80	18.50
LOBCXF12.7-30	12.70	30.00	3.30	1.80	28.85
LOBCXF12.7-40	12.70	40.00	2.90	1.80	38.99
LOBCXF12.7-50	12.70	50.00	2.70	1.80	49.07
LOBCXF12.7-75	12.70	75.00	2.40	1.80	74.17
LOBCXF12.7-100	12.70	100.00	2.20	1.80	99.24
LOBCXF25.4-35	25.40	35.00	7.40	2.00	32.36
LOBCXF25.4-40	25.40	40.00	6.70	2.00	37.63
LOBCXF25.4-50	25.40	50.00	5.70	2.00	48.01
LOBCXF25.4-75	25.40	75.00	4.40	2.00	73.48
LOBCXF25.4-100	25.40	100.00	3.80	2.00	98.69
LOBCXF25.4-125	25.40	125.00	3.40	2.00	123.83
LOBCXF25.4-150	25.40	150.00	3.20	2.00	148.90

UV Fused Silica Bi-Convex

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCXF5-10	5.00	10.00	2.20	1.50	9.21
LOBCXF6-6	6.00	6.00	2.80	1.00	5.50
LOBCXF6-10	6.00	10.00	2.60	1.50	9.05
LOBCXF6-8	6.00	8.00	2.30	1.00	7.60
LOBCXF6-15	6.00	15.00	2.20	1.50	14.23
LOBCXF6-20	6.00	20.00	2.00	1.50	19.30
LOBCXF6-30	6.00	30.00	1.80	1.50	29.38
LOBCXF10-10	10.00	10.00	5.00	2.00	9.10
LOBCXF10-15	10.00	15.00	3.90	2.00	14.30

UV Fused Silica Plano-Concave

UV fused silica has high transmittance in the 195-2100nm wavelength range. Compared to K9 material, this silica material offers higher transmittance in the UV band.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCCF6-6	6.00	-6.00	2.00	5.50	-7.37
LOPCCF6-12	6.00	-12.00	2.00	4.20	-13.30
LOPCCF10-15	10.00	-15.00	2.00	4.10	-16.40
LOPCCF10-20	10.00	-20.00	2.00	3.50	-21.40
LOPCCF10-30	10.00	-30.00	2.00	2.90	-31.40
LOPCCF12.7-15	12.70	-15.00	2.00	5.90	-16.40
LOPCCF12.7-25.4	12.70	-25.40	3.00	4.90	-27.20
LOPCCF12.7-38.1	12.70	-38.10	3.00	4.20	-40.10
LOPCCF20-30	20.00	-30.00	2.00	6.30	-31.40
LOPCCF20-50	20.00	-50.00	2.00	4.30	-51.40
LOPCCF25-30	25.00	-30.00	2.00	10.00	-31.40
LOPCCF25-50	25.00	-50.00	2.00	5.70	-51.40
LOPCCF25-80	25.00	-80.00	2.00	4.20	-81.40
LOPCCF25.4-50	25.40	-50.00	2.50	5.55	-51.71
LOPCCF25.4-75	25.40	-75.00	2.50	4.45	-76.71
LOPCCF25.4-102	25.40	-102.00	2.50	4.29	-103.72
LOPCCF25.4-150	25.40	-150.00	2.50	3.46	-151.70
LOPCCF25.4-204	25.40	-204.00	2.50	3.38	-205.72
LOPCCF25.4-250	25.40	-250.00	2.50	3.07	-251.71
LOPCCF25.4-1000	25.40	-1000.00	2.50	2.64	-1001.71
LOPCCF50.8--100	50.80	-100.00	2.50	8.60	-101.71
LOPCCF50.8-150	50.80	-150.00	2.50	6.41	-151.71
LOPCCF50.8-200	50.80	-200.00	2.50	5.39	-201.71

UV Fused Silica Plano-Concave

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOPCCF6-6	6.00	-6.00	2.00	5.50	-7.37
LOPCCF6-12	6.00	-12.00	2.00	4.20	-13.30
LOPCCF10-15	10.00	-15.00	2.00	4.10	-16.40

UV Fused Silica Bi-Concave

UV fused silica has high transmittance in the 195-2100nm wavelength range. Compared to K9 material, this silica material offers higher transmittance in the UV band.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCCF6-15	6.00	-15.00	1.50	2.15	-15.50
LOBCCF6-30	6.00	-30.00	1.50	1.82	-30.51
LOBCCF10-15	10.00	-15.00	2.00	3.90	-10.30
LOBCCF10-20	10.00	-20.00	2.00	3.40	-20.30
LOBCCF12.7-15	12.70	-15.00	2.00	5.02	-15.67
LOBCCF12.7-20	12.70	-20.00	2.00	4.22	-20.67
LOBCCF12.7-25	12.70	-25.00	2.00	3.76	-25.68
LOBCCF12.7-30	12.70	-30.00	2.00	3.46	-30.68
LOBCCF12.7-40	12.70	-40.00	2.00	3.09	-40.68
LOBCCF25.4-35	25.40	-35.00	2.00	7.17	-35.68
LOBCCF25.4-50	25.40	-50.00	2.00	5.55	-50.68
LOBCCF25.4-75	25.40	-75.00	2.00	4.35	-75.69
LOBCCF25.4-100	25.40	-100.00	2.00	3.76	-100.68
LOBCCF25.4-150	25.40	-150.00	2.00	3.17	-150.68
LOBCCF25.4-200	25.40	-200.00	2.00	2.88	-200.69
LOBCCF25.4-250	25.40	-250.00	2.00	2.70	-250.69
LOBCCF25.4-300	25.40	-300.00	2.00	2.58	-300.68
LOBCCF25.4-500	25.40	-500.00	2.00	2.35	-500.69
LOBCCF25.4-1000	25.40	-1000.00	2.00	2.18	-1000.69
LOBCCF30-50	30.00	-50.00	2.00	5.50	-50.70
LOBCCF30-60	30.00	-60.00	2.00	4.50	-60.70
LOBCCF38-50	38.00	-50.00	3.00	11.12	-51.02
LOBCCF38-100	38.00	-100.00	3.00	6.95	-101.03

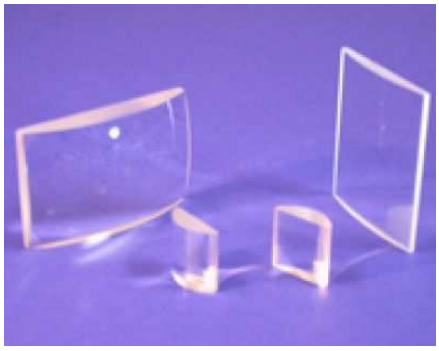
UV Fused Silica Bi-Concave

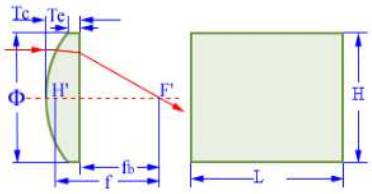
Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOBCCF6-15	6.00	-15.00	1.50	2.15	-15.50
LOBCCF6-30	6.00	-30.00	1.50	1.82	-30.51
LOBCCF10-15	10.00	-15.00	2.00	3.90	-10.30
LOBCCF10-20	10.00	-20.00	2.00	3.40	-20.30
LOBCCF12.7-15	12.70	-15.00	2.00	5.02	-15.67
LOBCCF12.7-20	12.70	-20.00	2.00	4.22	-20.67
LOBCCF12.7-25	12.70	-25.00	2.00	3.76	-25.68
LOBCCF12.7-30	12.70	-30.00	2.00	3.46	-30.68
LOBCCF12.7-40	12.70	-40.00	2.00	3.09	-40.68
LOBCCF25.4-35	25.40	-35.00	2.00	7.17	-35.68
LOBCCF25.4-50	25.40	-50.00	2.00	5.55	-50.68

BK7 Plano Convex Cylindrical

Plano-convex cylindrical lenses are primarily used for linear imaging and uniaxial magnification over a wide range. They can be used for laser convergence or converging into sheet beams, and can also converge into slender line illumination at long distances.

Material	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm





Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCXB6-3.9	4.00	6.00	3.90	2.02	3.80	2.00	1.39
LOCPCXB8-3.9	4.00	8.00	3.90	2.02	3.80	2.00	1.39
LOCPCXB4-6	4.00	4.00	6.00	2.07	3.56	2.00	1.65
LOCPCXB8-4	4.00	8.00	4.00	2.07	3.56	2.00	1.65
LOCPCXB6-5.8	4.00	6.00	5.80	3.00	2.76	2.00	3.98
LOCPCXB8-5.8	4.00	8.00	5.80	3.00	2.76	2.00	3.98
LOCPCXB8-6.35	6.00	8.00	6.35	3.28	3.95	2.00	3.75
LOCPCXB12-6.35	6.00	12.00	6.35	3.28	3.95	2.00	3.75
LOCPCXB9-7.70	7.00	9.00	7.70	3.98	4.09	2.00	5.00
LOCPCXB14-7.70	7.00	14.00	7.70	3.98	4.09	2.00	5.00
LOCPCXB12-9.70	10.00	12.00	9.70	5.01	6.69	2.00	5.29
LOCPCXB20-9.70	10.00	20.00	9.70	5.01	6.69	2.00	5.29
LOCPCXB12-10	10.00	12.00	10.00	5.17	5.88	2.00	6.12
LOCPCXB20-10	10.00	20.00	10.00	5.17	5.88	2.00	6.12
LOCPCXB12-12.7	10.00	12.00	12.70	6.56	4.31	2.00	9.86
LOCPCXB20-12.7	10.00	20.00	12.70	6.56	4.31	2.00	9.86
LOCPCXB15-12.7	13.00	15.00	12.70	6.56	7.67	2.00	7.64
LOCPCXB26-12.7	13.00	26.00	12.70	6.56	7.67	2.00	7.64
LOCPCXB15-13.7	13.00	15.00	13.70	7.08	6.27	2.00	9.57

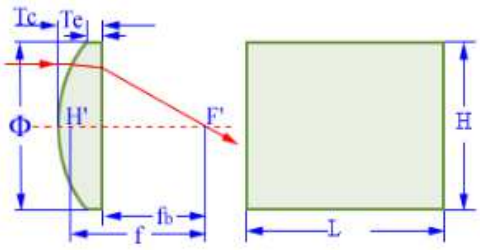
BK7 Plano Convex Cylindrical

Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCXB6-3.9	4.00	6.00	3.90	2.02	3.80	2.00	1.39
LOCPCXB8-3.9	4.00	8.00	3.90	2.02	3.80	2.00	1.39
LOCPCXB4-6	4.00	4.00	6.00	2.07	3.56	2.00	1.65
LOCPCXB8-4	4.00	8.00	4.00	2.07	3.56	2.00	1.65
LOCPCXB6-5.8	4.00	6.00	5.80	3.00	2.76	2.00	3.98
LOCPCXB8-5.8	4.00	8.00	5.80	3.00	2.76	2.00	3.98
LOCPCXB8-6.35	6.00	8.00	6.35	3.28	3.95	2.00	3.75
LOCPCXB12-6.35	6.00	12.00	6.35	3.28	3.95	2.00	3.75
LOCPCXB9-7.70	7.00	9.00	7.70	3.98	4.09	2.00	5.00
LOCPCXB14-7.70	7.00	14.00	7.70	3.98	4.09	2.00	5.00
LOCPCXB12-9.70	10.00	12.00	9.70	5.01	6.69	2.00	5.29
LOCPCXB20-9.70	10.00	20.00	9.70	5.01	6.69	2.00	5.29
LOCPCXB12-10	10.00	12.00	10.00	5.17	5.88	2.00	6.12
LOCPCXB20-10	10.00	20.00	10.00	5.17	5.88	2.00	6.12
LOCPCXB12-12.7	10.00	12.00	12.70	6.56	4.31	2.00	9.86
LOCPCXB20-12.7	10.00	20.00	12.70	6.56	4.31	2.00	9.86
LOCPCXB15-12.7	13.00	15.00	12.70	6.56	7.67	2.00	7.64
LOCPCXB26-12.7	13.00	26.00	12.70	6.56	7.67	2.00	7.64
LOCPCXB15-13.7	13.00	15.00	13.70	7.08	6.27	2.00	9.57
LOCPCXB26-13.7	13.00	26.00	13.70	7.08	6.27	2.00	9.57
LOCPCXB12-15	10.00	12.00	15.00	7.75	3.82	2.00	12.48
LOCPCXB20-15	10.00	20.00	15.00	7.75	3.82	2.00	12.48
LOCPCXB18-19	16.00	18.00	19.00	9.82	6.13	2.00	14.96
LOCPCXB32-19	16.00	32.00	19.00	9.82	6.13	2.00	14.98
LOCPCXB18-19.7	16.00	18.00	19.70	10.18	5.88	2.00	15.82
LOCPCXB32-19.7	16.00	32.00	19.70	10.18	5.88	2.00	15.82
LOCPCXB12-20	10.00	12.00	20.00	10.34	3.29	2.00	17.85
LOCPCXB20-20	10.00	20.00	20.00	10.34	3.29	2.00	17.85
LOCPCXB17-20	15.00	17.00	20.00	10.34	5.22	2.00	16.56
LOCPCXB30-20	15.00	30.00	20.00	10.34	5.22	2.00	16.56
LOCPCXB15-22.2	12.50	15.00	22.20	11.47	3.85	2.00	19.66
LOCPCXB25-22.2	12.50	25.00	22.20	11.47	3.85	2.00	19.66
LOCPCXB12-25	10.00	12.00	25.00	12.92	3.00	2.00	23.02
LOCPCXB20-25	10.00	20.00	25.00	12.92	3.00	2.00	23.02
LOCPCXB22-25	20.00	22.00	25.00	12.92	6.74	2.00	20.56

BK7 Plano Concave Cylindrical

Plano-concave cylindrical lenses have a negative effective focal length. They can diverge light in one dimension and can be combined with plano-convex cylindrical lenses for beam expansion applications.

Material	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm



Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCCB6-3.9	4.00	6.00	-3.90	-2.02	2.00	2.70	-5.22
LOCPCCB8-3.9	4.00	8.00	-3.90	-2.02	2.00	2.70	-5.22
LOCPCCB6-4	4.00	6.00	-4.00	-2.07	2.00	2.60	-5.32
LOCPCCB8-4	4.00	8.00	-4.00	-2.07	2.00	2.60	-5.32
LOCPCCB6-5.8	4.00	6.00	-5.80	-3.00	2.00	2.40	-7.12
LOCPCCB8-5.8	4.00	8.00	-5.80	-3.00	2.00	2.40	-7.12
LOCPCCB8-6.4	6.00	8.00	-6.40	-3.31	2.00	3.20	-7.72
LOCPCCB12-6.4	6.00	12.00	-6.40	-3.31	2.00	3.20	-7.72
LOCPCCB9-7.7	7.00	9.00	-7.70	-3.98	2.00	3.40	-9.02
LOCPCCB14-7.7	7.00	14.00	-7.70	-3.98	2.00	3.40	-9.02
LOCPCCB12-9.7	10.00	12.00	-9.70	-5.01	2.00	4.80	-11.02
LOCPCCB20-9.7	10.00	20.00	-9.70	-5.01	2.00	4.80	-11.02
LOCPCCB12-12.7	10.00	12.00	-12.70	-6.56	2.00	3.80	-14.02
LOCPCCB20-12.7	10.00	20.00	-12.70	-6.56	2.00	3.80	-14.02
LOCPCCB15-13.7	13.00	15.00	-13.70	-7.08	2.00	5.30	-15.02
LOCPCCB26-13.7	13.00	26.00	-13.70	-7.08	2.00	5.30	-15.02
LOCPCCB12-15	10.00	12.00	-15.00	-7.75	2.00	3.40	-16.32
LOCPCCB20-15	10.00	20.00	-15.00	-7.75	2.00	3.40	-16.32
LOCPCCB21-19	19.00	21.00	-19.00	-9.82	2.00	7.90	-20.32
LOCPCCB38-19	19.00	38.00	-19.00	-9.82	2.00	7.90	-20.30
LOCPCCB17-20	15.00	17.00	-20.00	-10.34	2.00	4.70	-21.32
LOCPCCB30-20	15.00	30.00	-20.00	-10.34	2.00	4.70	-21.32

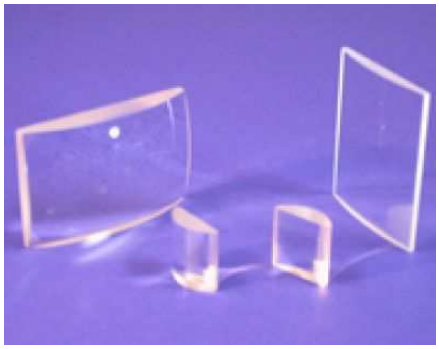
BK7 Plano Concave Cylindrical

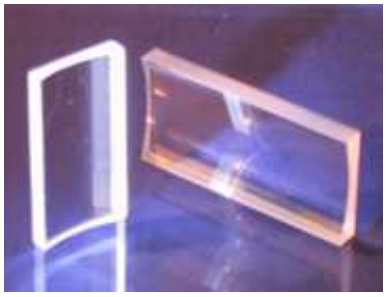
Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCCB6-3.9	4.00	6.00	-3.90	-2.02	2.00	2.70	-5.22
LOCPCCB8-3.9	4.00	8.00	-3.90	-2.02	2.00	2.70	-5.22
LOCPCCB6-4	4.00	6.00	-4.00	-2.07	2.00	2.60	-5.32
LOCPCCB8-4	4.00	8.00	-4.00	-2.07	2.00	2.60	-5.32
LOCPCCB6-5.8	4.00	6.00	-5.80	-3.00	2.00	2.40	-7.12
LOCPCCB8-5.8	4.00	8.00	-5.80	-3.00	2.00	2.40	-7.12
LOCPCCB8-6.4	6.00	8.00	-6.40	-3.31	2.00	3.20	-7.72
LOCPCCB12-6.4	6.00	12.00	-6.40	-3.31	2.00	3.20	-7.72
LOCPCCB9-7.7	7.00	9.00	-7.70	-3.98	2.00	3.40	-9.02
LOCPCCB14-7.7	7.00	14.00	-7.70	-3.98	2.00	3.40	-9.02
LOCPCCB12-9.7	10.00	12.00	-9.70	-5.01	2.00	4.80	-11.02
LOCPCCB20-9.7	10.00	20.00	-9.70	-5.01	2.00	4.80	-11.02
LOCPCCB12-12.7	10.00	12.00	-12.70	-6.56	2.00	3.80	-14.02
LOCPCCB20-12.7	10.00	20.00	-12.70	-6.56	2.00	3.80	-14.02
LOCPCCB15-13.7	13.00	15.00	-13.70	-7.08	2.00	5.30	-15.02
LOCPCCB26-13.7	13.00	26.00	-13.70	-7.08	2.00	5.30	-15.02
LOCPCCB12-15	10.00	12.00	-15.00	-7.75	2.00	3.40	-16.32
LOCPCCB20-15	10.00	20.00	-15.00	-7.75	2.00	3.40	-16.32
LOCPCCB21-19	19.00	21.00	-19.00	-9.82	2.00	7.90	-20.32
LOCPCCB38-19	19.00	38.00	-19.00	-9.82	2.00	7.90	-20.30
LOCPCCB17-20	15.00	17.00	-20.00	-10.34	2.00	4.70	-21.32
LOCPCCB30-20	15.00	30.00	-20.00	-10.34	2.00	4.70	-21.32
LOCPCCB15-22.2	12.50	15.00	-22.20	-11.47	2.00	3.50	-23.52
LOCPCCB12-25	10.00	12.00	-25.00	-12.92	2.00	2.82	-26.32
LOCPCCB20-25	10.00	20.00	-25.00	-12.92	2.00	2.82	-26.32

UV Fused Silica Plano Convex Cylindrical

UV fused silica lenses have high transmittance in the 195nm-2100nm wavelength range. For applications in the UV band, UV fused silica lenses are an excellent choice.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design



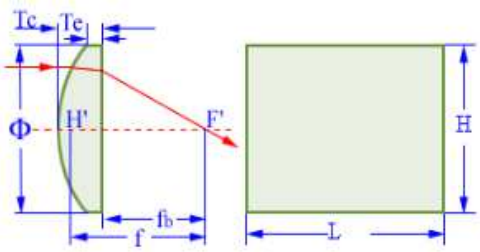


Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCXS11-8	8.00	7.20	11.00	3.67	4.90	2.00	4.64
LOCPCXS14-10	10.00	9.00	14.00	4.58	5.60	2.00	6.16
LOCPCXS15-12.7	12.70	10.00	15.00	5.82	4.80	2.00	9.41
LOCPCXS15-25	25.00	10.00	15.00	11.46	3.10	2.00	22.87
LOCPCXS18-19	19.00	16.00	18.00	9.81	6.10	2.00	14.96
LOCPCXS17-20	20.00	15.00	17.00	10.33	5.20	2.00	16.56
LOCPCXS22-25	25.00	20.00	22.00	12.97	6.70	2.00	20.60
LOCPCXS23-25	25.00	15.00	23.00	11.46	4.80	2.00	21.71
LOCPCXS22-30	30.00	20.00	22.00	15.94	5.70	2.00	26.33
LOCPCXS35-25.4	25.40	23.00	35.00	11.65	11.60	2.00	17.45
LOCPCXS30-75	75.00	20.00	30.00	34.38	3.50	2.00	72.60

UV Fused Silica Plano Concave Cylindrical

UV fused silica plano-concave cylindrical lenses have high transmittance in the 195nm-2100nm wavelength range. We can provide various sizes and specifications of silica lenses and also accept custom orders. Please contact us for inquiries.

Material	UV Fused Silica
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	Custom Design

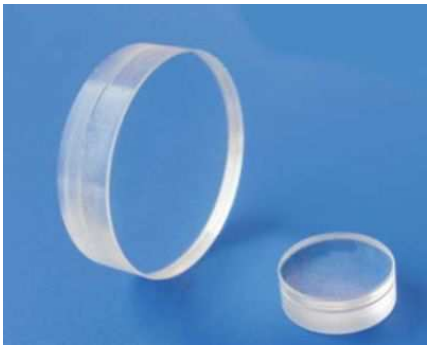


Part Number	Width H (mm)	Length L (mm)	Focal Length f (mm)	Radius R (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOCPCCS11-8	-8.00	7.20	11.00	-3.67	4.90	2.00	-9.37
LOCPCCS14-10	-10.00	9.00	14.00	-4.58	5.60	2.00	-11.37
LOCPCCS15-12.7	-12.70	10.00	15.00	-5.82	4.80	2.00	-14.07
LOCPCCS15-25	-25.00	10.00	15.00	-11.46	3.10	2.00	-26.37
LOCPCCS15-20	-20.00	15.00	15.00	-10.38	5.00	1.80	-10.38
LOCPCCS15-40	-40.00	15.00	15.00	-20.76	4.00	2.60	-41.70
LOCPCCS23-25	-25.00	15.00	23.00	-11.46	4.80	2.00	-26.37
LOCPCCS30-25	-25.00	20.00	30.00	-11.46	7.80	2.00	-26.37
LOCPCCS33-25.4	-25.40	22.00	33.00	-11.65	9.70	2.00	-26.77
LOCPCCS30-100	-100.00	15.00	30.00	-20.76	4.00	2.60	-41.70
LOCPCCS30-200	-200.00	30.00	30.00	-103.80	5.00	3.90	-202.60

Achromatic Doublet Lenses

Achromatic doublet lenses are corrected lenses composed of a positive low-dispersion crown glass lens and a negative high-dispersion flint glass lens cemented together. Compared to single lenses, achromatic doublet lenses have significantly reduced spherical aberration. They exhibit minimum spherical aberration when used in infinite conjugate state.

Material	K9 / ZF2
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm



Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOADL5-7.5	5.00	7.50	4.50	3.70	5.20
LOADL5-10	5.00	10.00	4.40	3.70	7.90
LOADL5-15	5.00	15.00	4.80	4.30	13.60
LOADL6-10	6.00	10.00	4.00	3.00	7.90
LOADL6.25-20	6.25	20.00	3.60	3.00	18.23
LOADL6.25-25	6.25	25.00	3.20	2.73	23.45
LOADL6.25-30	6.25	30.00	3.20	2.80	28.43
LOADL8-20	8.00	20.00	4.00	3.00	17.80
LOADL9-27	9.00	27.00	5.19	4.25	24.22
LOADL9-36	9.00	36.00	4.00	3.32	34.17
LOADL9-40	9.00	40.00	5.06	4.45	37.54
LOADL9-45	9.00	45.00	4.30	3.76	42.97
LOADL9-75	9.00	75.00	4.60	4.28	72.35
LOADL12.5-40	12.50	40.00	5.06	3.88	37.54
LOADL12.5-45	12.50	45.00	5.00	3.94	42.52
LOADL12.5-50	12.50	50.00	5.00	4.06	47.61
LOADL12.5-60	12.50	60.00	5.00	4.21	57.59
LOADL12.5-75	12.50	75.00	4.60	4.00	72.35
LOADL12.5-80	12.50	80.00	3.70	3.12	78.40

Achromatic Doublet Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOADL5-7.5	5.00	7.50	4.50	3.70	5.20
LOADL5-10	5.00	10.00	4.40	3.70	7.90
LOADL5-15	5.00	15.00	4.80	4.30	13.60
LOADL6-10	6.00	10.00	4.00	3.00	7.90
LOADL6.25-20	6.25	20.00	3.60	3.00	18.23
LOADL6.25-25	6.25	25.00	3.20	2.73	23.45
LOADL6.25-30	6.25	30.00	3.20	2.80	28.43
LOADL8-20	8.00	20.00	4.00	3.00	17.80
LOADL9-27	9.00	27.00	5.19	4.25	24.22
LOADL9-36	9.00	36.00	4.00	3.32	34.17
LOADL9-40	9.00	40.00	5.06	4.45	37.54
LOADL9-45	9.00	45.00	4.30	3.76	42.97
LOADL9-75	9.00	75.00	4.60	4.28	72.35
LOADL12.5-40	12.50	40.00	5.06	3.88	37.54
LOADL12.5-45	12.50	45.00	5.00	3.94	42.52
LOADL12.5-50	12.50	50.00	5.00	4.06	47.61
LOADL12.5-60	12.50	60.00	5.00	4.21	57.59
LOADL12.5-75	12.50	75.00	4.60	4.00	72.35
LOADL12.5-80	12.50	80.00	3.70	3.12	78.40
LOADL12.5-90	12.50	90.00	3.58	3.06	88.47
LOADL12.5-100	12.50	100.00	4.50	4.03	97.92
LOADL12.7-25	12.70	25.00	5.60	4.80	22.25
LOADL12.7-30	12.70	30.00	5.30	4.75	27.36
LOADL12.7-40	12.70	40.00	4.70	3.90	37.78
LOADL12.7-50	12.70	50.00	4.40	3.79	48.00
LOADL12.7-60	12.70	60.00	4.10	3.80	58.13
LOADL12.7-75	12.70	75.00	3.90	3.40	73.23
LOADL15-50	15.00	50.00	6.50	5.12	46.17
LOADL15-75	15.00	75.00	7.50	6.59	70.78
LOADL18-80	18.00	80.00	7.50	6.27	76.52
LOADL18-125	18.00	125.00	6.50	5.72	121.95
LOADL20-60	20.00	60.00	7.00	4.98	56.51
LOADL25-75	25.00	75.00	9.50	6.97	70.39
LOADL25-100	25.00	100.00	8.50	6.61	81.21
LOADL25-125	25.00	125.00	8.40	6.90	120.89
LOADL25-150	25.00	150.00	7.90	6.60	146.10
LOADL25-175	25.00	175.00	9.00	7.90	170.84
LOADL25-200	25.00	200.00	12.50	11.56	194.14
LOADL25-250	25.00	250.00	7.50	6.75	246.63
LOADL25-275	25.00	275.00	7.50	6.82	271.60
LOADL25-300	25.00	300.00	5.50	4.89	297.73
LOADL25-400	25.00	400.00	5.50	5.02	397.84
LOADL25-500	25.00	500.00	5.50	5.13	497.57
LOADL25.4-40	25.40	40.00	12.50	7.40	33.40
LOADL25.4-60	25.40	60.00	10.50	8.20	54.30
LOADL25.4-75	25.40	75.00	9.50	6.90	70.30
LOADL25.4-100	25.40	100.00	6.50	4.70	97.10
LOADL25.4-150	25.40	150.00	7.90	6.60	146.10
LOADL25.4-250	25.40	250.00	6.00	5.20	246.70

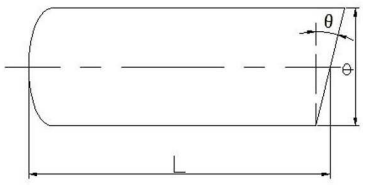
Achromatic Doublet Lenses

Part Number	Diameter Ø (mm)	Focal Length f (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Back Focal Length fb (mm)
LOADL5-7.5	5.00	7.50	4.50	3.70	5.20

BK7 C-Lenses

C-lenses are primarily used for fiber optic beam collimation, isolation, conversion, and other laser applications. Compared to other lenses, C-lenses offer lower cost, lower insertion loss at long working distances, and wider working range.

Material	K9 (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Focal Length Tolerance	±1%
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm × 45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm



Part Number	Diameter D (mm)	Length L (mm)	Wedge Angle (°)	Working Wavelength (nm)	Working Distance (μm)
LOCL01	1.00	3.16	8	1310	73
LOCL02	1.00	2.61	8	1310	50
LOCL03	1.00	2.80	8	1310	50
LOCL04	1.00	2.89	8	1310	68
LOCL04	1.00	3.27	8	1310	68
LOCL05	1.00	2.90	8	1550	68
LOCL06	1.00	3.27	8	1550	68
LOCL07	1.00	2.62	8	1550	50
LOCL08	1.00	2.80	8	1550	50
LOCL09	1.00	1.92	8	1550	10
LOCL10	1.00	2.10	8	1550	32
LOCL11	1.00	2.46	8	1550	49
LOCL12	1.00	4.80	8	1550	140
LOCL13	1.80	2.98	8	1310	67
LOCL14	1.80	3.32	8	1310	67
LOCL15	1.80	2.98	8	1550	67
LOCL16	1.80	3.32	8	1550	67
LOCL17	1.80	3.05	8	1550	71
LOCL18	1.80	3.84	8	1320	100
LOCL19	1.80	4.21	8	1320	100
LOCL20	1.80	3.85	8	1550	100

BK7 C-Lenses

Part Number	Diameter D (mm)	Length L (mm)	Wedge Angle (°)	Working Wavelength (nm)	Working Distance (μm)
LOCL01	1.00	3.16	8	1310	73

BK7 Ball Lenses

Ball lenses are primarily used for laser collimation, focusing, laser to fiber coupling, fiber to fiber coupling, and fiber to detector coupling.

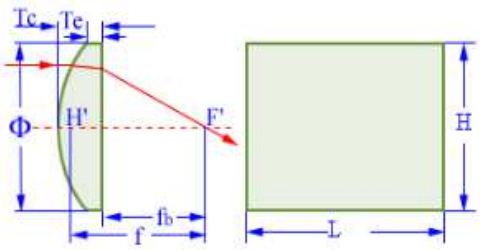
Material	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%

Part Number	Diameter D (mm)
LOBL1	1.00
LOBL1.5	1.50
LOBL2.0	2.00
LOBL2.5	2.50
LOBL3.0	3.00
LOBL4.0	4.00
LOBL5.0	5.00
LOBL6.0	6.00
LOBL7.0	7.00
LOBL8.0	8.00
LOBL9.0	9.00
LOBL10.0	10.00
LOBL12.0	12.00
LOBL15.0	15.00

BK7 Rod Lenses

Rod lenses are primarily used to focus light spots into line-shaped light spots. When both ends of the rod lens are polished, they can also be used as light guides. We can provide various sizes of rod lenses. Please contact us for inquiries.

Material	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Surface Quality	40-20
Surface Flatness	λ/4 @ 632.8nm
Centration	<3 arc min
Clear Aperture	>90%



Part Number	Diameter D (mm)	Length L (mm)
LORL1-2	1.00	2.00
LORL2-4	2.00	4.00
LORL6-6	3.00	6.00
LORL3-10	3.00	10.00
LORL4-8	4.00	8.00
LORL5-10	5.00	10.00
LORL5-15	5.00	15.00
LORL5-20	5.00	20.00
LORL6-10	6.00	10.00
LORL6-15	6.00	15.00
LORL6-20	6.00	20.00
LORL7-10	7.00	10.00
LORL7-15	7.00	15.00
LORL7-20	7.00	20.00
LORL8-15	8.00	15.00
LORL8-20	8.00	20.00
LORL9-15	9.00	15.00
LORL9-20	9.00	20.00
LORL10-15	10.00	15.00
LORL10-20	10.00	20.00
LORL15-15	15.00	15.00
LORL15-20	15.00	20.00
LORL20-20	20.00	20.00