

Double Convex Lens

Features

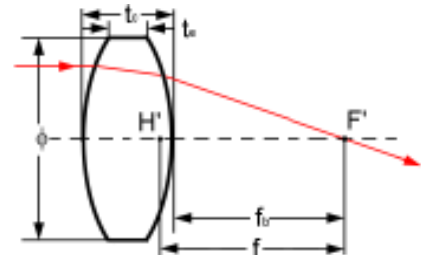
- High Precision Dimension
- Optional Substrate Material

Applications

- Projection Optics System
- Beam Expander
- Optical Viewers
- Optical Character Reader

Specifications

Material	BK7, Fused silica
Diameter tolerance	±0.1mm
Design wavelength	546.1nm
Focal tolerance	2%
Surface quality	60-40 S/D
Centration	3 arcmin
Surface flatness	λ/4@632.8nm
Clear aperture	>90%
Bevel	Protective bevel



Standard Products

Part No.	Material	Φ(mm)	F(mm)	R(mm)	Tc(mm)	Te(mm)	Fb(mm)
HDCX0201	BK7	12.7	15.0	14.66	4.9	2.0	13.3
HDCX0203	BK7	12.7	25.0	25.28	3.6	2.0	23.8
HDCX0205	BK7	12.7	40.0	40.95	3.0	2.0	39.0
HDCX0206	BK7	12.7	50.0	51.35	2.8	2.0	49.1
HDCX0207	BK7	12.7	75.0	77.30	2.6	2.0	74.1
HDCX0208	BK7	12.7	100.0	103.25	2.4	2.0	99.2
HDCX0343	BK7	20.0	25.4	25.265	6.1	2.0	23.3
HDCX0302	BK7	25.4	50.0	50.92	5.2	2.0	48.3
HDCX0303	BK7	25.4	75.0	77.04	4.1	2.0	73.6
HDCX0308	BK7	25.4	200.0	206.84	2.8	2.0	199.0
HDCX0310	BK7	25.4	300.0	310.55	2.5	2.0	299.2
HDCX0311	BK7	25.4	500.0	517.91	2.3	2.0	499.2
HDCX0402	BK7	38.0	100.0	102.52	6.5	3.0	97.8
HDCX0504	BK7	50.0	250.0	258.22	5.4	3.0	248.2
HDCX1203	Fused silica	12.7	25.0	22.39	3.84	2.0	23.66
HDCX1205	Fused silica	12.7	40.0	36.31	3.12	2.0	38.92
HDCX1206	Fused silica	12.7	50.0	45.62	2.9	2.0	49.06
HDCX1207	Fused silica	12.7	75.0	68.7	2.6	2.0	74.21
HDCX1303	Fused silica	25.4	50.0	45.08	5.65	2.0	48.01
HDCX1304	Fused silica	25.4	75.0	68.23	4.39	2.0	73.39
HDCX1305	Fused silica	25.4	100.0	91.6	3.77	2.0	98.69

Other size and coating are available upon request.