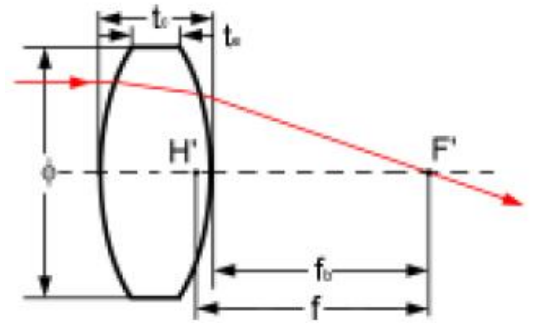


# BK7 DOUBLE-CONCAVE LENSES

## Specifications:

Material .....BK7 grade A optical glass  
 Design Wavelength ..... 546.1nm  
 Design Index .....  $1.5183 \pm 0.0005$   
 Diameter Tolerance .....  $+0.0, -0.15\text{mm}$   
 Paraxial Focal Length .....  $\pm 2\%$   
 Centration ..... 3 arc minutes  
 Clear Aperture .....  $>80\%$   
 Surface Irregularity .....  $\lambda/4$  per 25mm at 632.8nm  
 Surface Quality ..... 60-40 scratch and dig



Part No.	f(mm)	$\phi$ (mm)	$R_1=R_2$ (mm)	$t_c$ (mm)	$t_e$ (mm)	$f_b$ (mm)
DCV0207	-10.0	10.0	10.70	2.0	4.5	-10.6
DCV0201	-15.0	12.7	15.88	2.0	4.6	-15.6
DCV0202	-20.0	12.7	21.07	2.0	4.0	-20.6
DCV0203	-25.0	12.7	26.25	2.0	3.6	-25.7
DCV0204	-30.0	12.7	31.44	2.0	3.3	-30.7
DCV0205	-40.0	12.7	41.80	2.0	3.0	-40.7
DCV0206	-50.0	12.7	52.17	2.0	2.8	-50.7
DCV0301	-35.0	25.4	36.62	2.0	6.5	-35.7
DCV0302	-50.0	25.4	52.17	2.0	5.1	-50.7
DCV0303	-75.0	25.4	78.09	2.0	4.1	-75.7
DCV0304	-100.0	25.4	104.00	2.0	3.6	-100.7
DCV0305	-125.0	25.4	129.92	2.0	3.2	-125.7
DCV0306	-150.0	25.4	155.83	2.0	3.0	-150.7
DCV0307	-175.0	25.4	181.75	2.0	2.9	-175.7
DCV0308	-200.0	25.4	207.66	2.0	2.8	-200.7
DCV0309	-250.0	25.4	259.49	2.0	2.6	-250.7
DCV0310	-300.0	25.4	311.32	2.0	2.5	-300.7
DCV0311	-500.0	25.4	518.64	2.0	2.3	-500.7
DCV0312	-1000.0	25.4	1036.94	2.0	2.2	-1000.7
DCV0401	-50.0	38.0	52.34	3.0	10.1	-51.0
DCV0402	-100.0	38.0	104.17	3.0	6.5	-101.0
DCV0403	-150.0	38.0	156.00	3.0	5.3	-151.0
DCV0404	-200.0	38.0	207.83	3.0	4.7	-201.0
DCV0405	-350.0	38.0	363.32	3.0	4.0	-351.0
DCV0406	-500.0	38.0	518.81	3.0	3.7	-501.0
DCV0407	-700.0	38.0	726.13	3.0	3.5	-701.0
DCV0501	-100.0	50.0	104.17	3.0	9.1	-101.0
DCV0502	-150.0	50.0	156.00	3.0	7.0	-151.0
DCV0503	-200.0	50.0	207.83	3.0	6.0	-201.0
DCV0504	-250.0	50.0	259.66	3.0	5.4	-251.0
DCV0505	-400.0	50.0	415.15	3.0	4.5	-401.0
DCV0506	-450.0	50.0	466.91	3.0	4.3	-451.0
DCV0507	-500.0	50.0	518.82	3.0	4.2	-501.0
DCV0508	-600.0	50.0	622.47	3.0	4.0	-601.0
DCV0509	-800.0	50.0	829.73	3.0	3.8	-801.0

