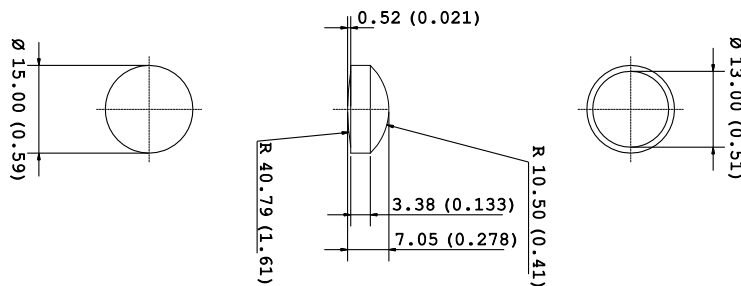


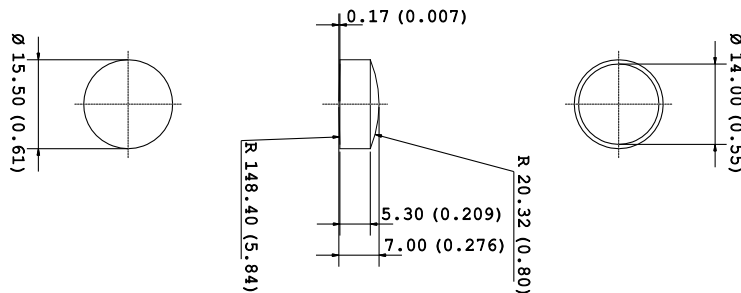
KEB150 Biconvex Lenses Ø 15,00 mm.

Code	KEB15001B	KEB15003B	KEB15004B	KEB15006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	15,00	15,00	15,00	15,00
d (mm)	13,00	13,00	13,00	13,00
S (mm)	1,00	1,00	1,00	1,00
t (mm)	7,00	7,00	7,00	7,00
h (mm)	3,38	3,38	3,38	3,38
Lambda (nm)	550	850	550	380
EFFL (mm)	15,6	16,1	17,2	16,6
BFL (mm)	14,4	14,9	15,5	15,0



KEB155 Biconvex Lenses Ø 15,50 mm.

Code	KEB15501B	KEB15503B
Material	PC	PC IR
D (mm)	15,50	15,50
d (mm)	14,00	14,00
S (mm)	0,75	0,75
t (mm)	7,00	7,00
h (mm)	5,30	5,30
Lambda (nm)	550	850
EFFL (mm)	33,6	34,7
BFL (mm)	30,3	31,3



		PC	PC IR	PMMA	PMMA UV
Transmission Factor for transparent material	%	89	-	92	-
Refractive index		1.586	1.586	1.49	1.49
Haze for transparent material	%	< 0.8	-	< 0.5	< 0.5
Tensile modulus	MPa	2400	2400	3300	3300
Yeld stress	MPa	65*	65*	77**	77**
Yeld strain	MPa	6.0*	6.0*	5.5**	5.5**
Glass transition temperature	°C	145	148	117	117
Temperature of deflection under load (1.8 Mpa)	°C	124	125	98	98
Temperature of deflection under load (0.45 Mpa)	°C	137	137	103	103
Density	Kg/m3	1200	1200	1190	1190

* 50 mm/min

** 5 mm/min

Geometric Tolerance

t $t \pm 0,05\%$

R $R \pm 3\%$

D $D \begin{matrix} +0,00 \\ -0,1 \end{matrix}$

EFFL $EFFL \pm 5\%$

BFL $BFL \pm 5\%$