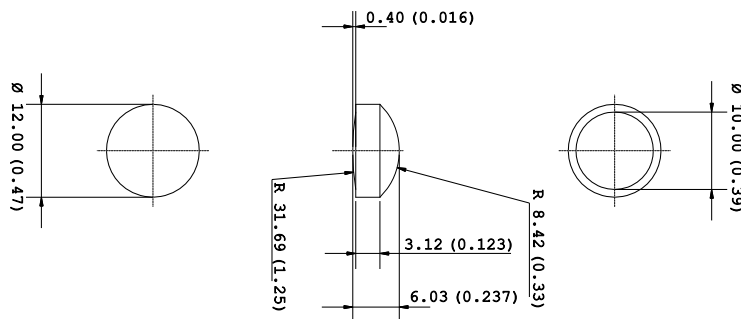


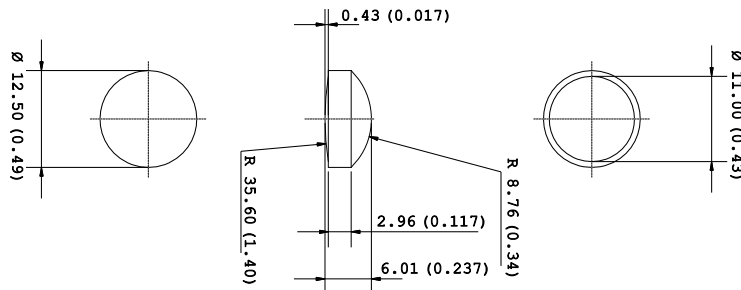
KEB120 Biconvex Lenses Ø 12,00 mm.

Code	KEB12001B	KEB12003B	KEB12004B	KEB12006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	12,00	12,00	12,00	12,00
d (mm)	10,00	10,00	10,00	10,00
S (mm)	1,00	1,00	1,00	1,00
t (mm)	6,00	6,00	6,00	6,00
h (mm)	3,12	3,12	3,12	3,12
Lambda (nm)	550	850	550	380
EFFL (mm)	12,7	13,1	14,7	14,2
BFL (mm)	11,4	11,8	12,2	11,8



KEB125 Biconvex Lenses Ø 12,50 mm.

Code	KEB12501B	KEB12503B	KEB12504B	KEB12506B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	12,50	12,50	12,50	12,50
d (mm)	11,00	11,00	11,00	11,00
S (mm)	0,75	0,75	0,75	0,75
t (mm)	6,00	6,00	6,00	6,00
h (mm)	2,96	2,96	2,96	2,96
Lambda (nm)	550	850	550	380
EFFL (mm)	14,5	15,0	14,1	13,6
BFL (mm)	13,4	13,9	12,4	12,0



		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 $BFL \pm 5\%$